

EN_REGULATION, REACTOME_PTEN_REGULATION

REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX, REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX
REACTOME_RUNX1_REGULATES_TRANSCRIPTION_OF_GENES_INVOLVED_IN_DIFFERENTIATION_OF_HSCS, REACTOME_RUNX1_REGULATES_TRANSCRIPTION_OF_GENES_INVOLVED_IN_DIFFERENTIATION_OF_HSCS
REACTOME_HDAC6_DEACETYLATE_HISTONES, REACTOME_HDAC6_DEACETYLATE_HISTONES
REACTOME_POSITIVE_EPIGENETIC_REGULATION_OF_RRNA_EXPRESSION, REACTOME_POSITIVE_EPIGENETIC_REGULATION_OF_RRNA_EXPRESSION
REACTOME_REGULATION_OF_PTEN_STABILITY_AND_ACTIVITY, REACTOME_REGULATION_OF_PTEN_STABILITY_AND_ACTIVITY
REACTOME_APOPTOSIS, REACTOME_APOPTOSIS
REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION, REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION
REACTOME_ERCC6_CSB_AND_EHMT2_G9A_POSITIVELY_REGULATE_RRNA_EXPRESSION, REACTOME_ERCC6_CSB_AND_EHMT2_G9A_POSITIVELY_REGULATE_RRNA_EXPRESSION
REACTOME_NEGATIVE_REGULATION_OF_NOTCH4_SIGNALING, REACTOME_NEGATIVE_REGULATION_OF_NOTCH4_SIGNALING
REACTOME_DNA_DOUBLE_STRAND_BREAK_RESPONSE, REACTOME_DNA_DOUBLE_STRAND_BREAK_RESPONSE
REACTOME_HCMV_EARLY_EVENTS, REACTOME_HCMV_EARLY_EVENTS
REACTOME_REGULATION_OF_MRNA_STABILITY_BY_PROTEINS_THAT_BIND_AU_RICH_ELEMENTS, REACTOME_REGULATION_OF_MRNA_STABILITY_BY_PROTEINS_THAT_BIND_AU_RICH_ELEMENTS
REACTOME_DEGRADATION_OF_BETA_CATENIN_BY_THE_DESTRUCTION_COMPLEX, REACTOME_DEGRADATION_OF_BETA_CATENIN_BY_THE_DESTRUCTION_COMPLEX
REACTOME_CLEC7A_DECTIN_1_SIGNALING, REACTOME_CLEC7A_DECTIN_1_SIGNALING
REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21, REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21
REACTOME_DEGRADATION_OF_AXIN, REACTOME_DEGRADATION_OF_AXIN
REACTOME_PROTEIN_UBIQUITINATION, REACTOME_PROTEIN_UBIQUITINATION
REACTOME_DEGRADATION_OF_GLI1_BY_THE_PROTEASOME, REACTOME_DEGRADATION_OF_GLI1_BY_THE_PROTEASOME
REACTOME_CELLULAR_RESPONSE_TO_HYPOXIA, REACTOME_CELLULAR_RESPONSE_TO_HYPOXIA
REACTOME_RUNX1_REGULATES_GENES_INVOLVED_IN_MEGAKARYOCYTE_DIFFERENTIATION_AND_PLATELET_FUNCTION, REACTOME_RUNX1_REGULATES_GENES_INVOLVED_IN_MEGAKARYOCYTE_DIFFERENTIATION_AND_PLATELET_FUNCTION
REACTOME_DOWNSTREAM_SIGNALING_EVENTS_OF_B_CELL_RECEPTOR_BCR, REACTOME_DOWNSTREAM_SIGNALING_EVENTS_OF_B_CELL_RECEPTOR_BCR
REACTOME_REGULATION_OF_HMOX1_EXPRESSION_AND_ACTIVITY, REACTOME_REGULATION_OF_HMOX1_EXPRESSION_AND_ACTIVITY
PID_ERBB1_DOWNSTREAM_PATHWAY, PID_ERBB1_DOWNSTREAM_PATHWAY
REACTOME_HEDGEHOG_ON_STATE, REACTOME_HEDGEHOG_ON_STATE
REACTOME_REGULATION_OF_RUNX3_EXPRESSION_AND_ACTIVITY, REACTOME_REGULATION_OF_RUNX3_EXPRESSION_AND_ACTIVITY
REACTOME_DEGRADATION_OF_DVL, REACTOME_DEGRADATION_OF_DVL
REACTOME_DECTIN_1_MEDIATED_NONCANONICAL_NF_KB_SIGNALING, REACTOME_DECTIN_1_MEDIATED_NONCANONICAL_NF_KB_SIGNALING
PID_KIT_PATHWAY, PID_KIT_PATHWAY
REACTOME_SENESCENCE_ASSOCIATED_SECRETORY_PHENOTYPE_SASP, REACTOME_SENESCENCE_ASSOCIATED_SECRETORY_PHENOTYPE_SASP
REACTOME_E3_UBIQUITIN_LIGASES_UBIQUITINATE_TARGET_PROTEINS, REACTOME_E3_UBIQUITIN_LIGASES_UBIQUITINATE_TARGET_PROTEINS
REACTOME_MAPK6_MAPK4_SIGNALING, REACTOME_MAPK6_MAPK4_SIGNALING
REACTOME_STABILIZATION_OF_P53, REACTOME_STABILIZATION_OF_P53
REACTOME_SIGNALING_BY_NOTCH4, REACTOME_SIGNALING_BY_NOTCH4
REACTOME_CROSS_PRESENTATION_OF_SOLUBLE_EXOGENOUS_ANTIGENS_ENDOSOMES, REACTOME_CROSS_PRESENTATION_OF_SOLUBLE_EXOGENOUS_ANTIGENS_ENDOSOMES
WP_EGFEGFR_SIGNALING_PATHWAY, WP_EGFEGFR_SIGNALING_PATHWAY
REACTOME_SIGNALING_BY_HEDGEHOG, REACTOME_SIGNALING_BY_HEDGEHOG
REACTOME_FORMATION_OF_INCISION_COMPLEX_IN_GG_NER, REACTOME_FORMATION_OF_INCISION_COMPLEX_IN_GG_NER
PELLICCIOTTA_HDAC_IN_ANTIGEN_PRESENTATION_DN, PELLICCIOTTA_HDAC_IN_ANTIGEN_PRESENTATION_DN
REACTOME_INTERLEUKIN_1_SIGNALING, REACTOME_INTERLEUKIN_1_SIGNALING
KEGG_FOCAL_ADHESION, KEGG_FOCAL_ADHESION
REACTOME_TCR_SIGNALING, REACTOME_TCR_SIGNALING
REACTOME_G1_S_DNA_DAMAGE_CHECKPOINTS, REACTOME_G1_S_DNA_DAMAGE_CHECKPOINTS
REACTOME_UCH_PROTEINASES, REACTOME_UCH_PROTEINASES
REACTOME_N_GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEXIN_CALRETICULIN_CYCLE, REACTOME_N_GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEXIN_CALRETICULIN_CYCLE
REACTOME_SARS_COV_INFECTIONS, REACTOME_SARS_COV_INFECTIONS
PELLICCIOTTA_HDAC_IN_ANTIGEN_PRESENTATION_UP, PELLICCIOTTA_HDAC_IN_ANTIGEN_PRESENTATION_UP
REACTOME_REGULATION_OF_RUNX2_EXPRESSION_AND_ACTIVITY, REACTOME_REGULATION_OF_RUNX2_EXPRESSION_AND_ACTIVITY
KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS, KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS
WP_ANDROGEN_RECEPTOR_SIGNALING_PATHWAY, WP_ANDROGEN_RECEPTOR_SIGNALING_PATHWAY
REACTOME_PCP_CE_PATHWAY, REACTOME_PCP_CE_PATHWAY
REACTOME_DEATH_RECEPTOR_SIGNALLING, REACTOME_DEATH_RECEPTOR_SIGNALLING
REACTOME_SUMOYLATION_OF_TRANSCRIPTION_COFACTORS, REACTOME_SUMOYLATION_OF_TRANSCRIPTION_COFACTORS
GAVIN_FOXP3_TARGETS_CLUSTER_T4, GAVIN_FOXP3_TARGETS_CLUSTER_T4
WP_IL3_SIGNALING_PATHWAY, WP_IL3_SIGNALING_PATHWAY
REACTOME_NEGATIVE_REGULATION_OF_MAPK_PATHWAY, REACTOME_NEGATIVE_REGULATION_OF_MAPK_PATHWAY
PID_RET_PATHWAY, PID_RET_PATHWAY
SIG_BCR_SIGNALING_PATHWAY, SIG_BCR_SIGNALING_PATHWAY
REACTOME_PEROXISOMAL_PROTEIN_IMPORT, REACTOME_PEROXISOMAL_PROTEIN_IMPORT
REACTOME_ENERGY_DEPENDENT_REGULATION_OF_MTOR_BY_LKB1_AMPK, REACTOME_ENERGY_DEPENDENT_REGULATION_OF_MTOR_BY_LKB1_AMPK
REACTOME_HEDGEHOG_OFF_STATE, REACTOME_HEDGEHOG_OFF_STATE
WP_PDGF_PATHWAY, WP_PDGF_PATHWAY
REACTOME_PRE_NOTCH_EXPRESSION_AND_PROCESSING, REACTOME_PRE_NOTCH_EXPRESSION_AND_PROCESSING
WP_MET_IN_TYPE_1_PAPILLARY_RENAL_CELL_CARCINOMA, WP_MET_IN_TYPE_1_PAPILLARY_RENAL_CELL_CARCINOMA
REACTOME_CALNEXIN_CALRETICULIN_CYCLE, REACTOME_CALNEXIN_CALRETICULIN_CYCLE
PID_HDAC_CLASS1_PATHWAY, PID_HDAC_CLASS1_PATHWAY
REACTOME_C_TYPE_LECTIN_RECEPTORS_CLRS, REACTOME_C_TYPE_LECTIN_RECEPTORS_CLRS
REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS, REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS
BIOCARTA_MAPK_PATHWAY, BIOCARTA_MAPK_PATHWAY
WP_AGERAGE_PATHWAY, WP_AGERAGE_PATHWAY
WP_INSULIN_SIGNALING, WP_INSULIN_SIGNALING
WP_KIT_RECEPTOR_SIGNALING_PATHWAY, WP_KIT_RECEPTOR_SIGNALING_PATHWAY
DER_IFN_ALPHA_RESPONSE_UP, DER_IFN_ALPHA_RESPONSE_UP
PID_FCR1_PATHWAY, PID_FCR1_PATHWAY
REACTOME_NOTCH1_INTRACELLULAR_DOMAIN_REGULATES_TRANSCRIPTION, REACTOME_NOTCH1_INTRACELLULAR_DOMAIN_REGULATES_TRANSCRIPTION
REACTOME_SARS_COV_2_INFECTION, REACTOME_SARS_COV_2_INFECTION
WP_MIRNA_REGULATION_OF_PROSTATE_CANCER_SIGNALING_PATHWAYS, WP_MIRNA_REGULATION_OF_PROSTATE_CANCER_SIGNALING_PATHWAYS
WP_LEPTIN_SIGNALING_PATHWAY, WP_LEPTIN_SIGNALING_PATHWAY
WP_PANCREATIC_ADENOCARCINOMA_PATHWAY, WP_PANCREATIC_ADENOCARCINOMA_PATHWAY
REACTOME_REGULATION_OF_PTEN_GENE_TRANSCRIPTION, REACTOME_REGULATION_OF_PTEN_GENE_TRANSCRIPTION
REACTOME_RUNX1_INTERACTS_WITH_CO_FACTORS_WHOSE_PRECISE_EFFECT_ON_RUNX1_TARGETS_IS_NOT_KNOWN, REACTOME_RUNX1_INTERACTS_WITH_CO_FACTORS_WHOSE_PRECISE_EFFECT_ON_RUNX1_TARGETS_IS_NOT_KNOWN
SIG_INSULIN_RECEPTOR_PATHWAY_IN_CARDIAC_MYOCYTES, SIG_INSULIN_RECEPTOR_PATHWAY_IN_CARDIAC_MYOCYTES
REACTOME_INTERLEUKIN_1_FAMILY_SIGNALING, REACTOME_INTERLEUKIN_1_FAMILY_SIGNALING
WP_ONCOSTATIN_M_SIGNALING_PATHWAY, WP_ONCOSTATIN_M_SIGNALING_PATHWAY
REACTOME_FLT3_SIGNALING, REACTOME_FLT3_SIGNALING
PID_CXCR4_PATHWAY, PID_CXCR4_PATHWAY
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY, KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY
BIOCARTA_GLEEVEC_PATHWAY, BIOCARTA_GLEEVEC_PATHWAY
BIOCARTA_PYK2_PATHWAY, BIOCARTA_PYK2_PATHWAY
KEGG_ADHERENS_JUNCTION, KEGG_ADHERENS_JUNCTION
REACTOME_SIGNALING_BY_NOTCH1, REACTOME_SIGNALING_BY_NOTCH1
REACTOME_SARS_COV_1_INFECTION, REACTOME_SARS_COV_1_INFECTION
ZHONG_SECRETOME_OF_LUNG_CANCER_AND_FIBROBLAST, ZHONG_SECRETOME_OF_LUNG_CANCER_AND_FIBROBLAST
PID_VEGFR1_PATHWAY, PID_VEGFR1_PATHWAY
PID_BCR_5PATHWAY, PID_BCR_5PATHWAY
REACTOME_SIGNALING_BY_NOTCH1_PEST_DOMAIN_MUTANTS_IN_CANCER, REACTOME_SIGNALING_BY_NOTCH1_PEST_DOMAIN_MUTANTS_IN_CANCER
LIN_MELANOMA_COPY_NUMBER_UP, LIN_MELANOMA_COPY_NUMBER_UP
KEGG_COLORECTAL_CANCER, KEGG_COLORECTAL_CANCER
WP_ANGIOPOIETIN_LIKE_PROTEIN_8_REGULATORY_PATHWAY, WP_ANGIOPOIETIN_LIKE_PROTEIN_8_REGULATORY_PATHWAY
SETLUR_PROSTATE_CANCER_TMPRSS2_ERG_FUSION_UP, SETLUR_PROSTATE_CANCER_TMPRSS2_ERG_FUSION_UP
REACTOME_REGULATED_NECROSIS, REACTOME_REGULATED_NECROSIS
BIOCARTA_MEF2D_PATHWAY, BIOCARTA_MEF2D_PATHWAY
BIOCARTA_KERATINOCYTE_PATHWAY, BIOCARTA_KERATINOCYTE_PATHWAY
REACTOME_AUTOPHAGY, REACTOME_AUTOPHAGY
WP_CHROMOSOMAL_AND_MICROSATELLITE_INSTABILITY_IN_COLORECTAL_CANCER, WP_CHROMOSOMAL_AND_MICROSATELLITE_INSTABILITY_IN_COLORECTAL_CANCER
KEGG_INSULIN_SIGNALING_PATHWAY, KEGG_INSULIN_SIGNALING_PATHWAY
BIOCARTA_IL2RB_PATHWAY, BIOCARTA_IL2RB_PATHWAY
WP_IL2_SIGNALING_PATHWAY, WP_IL2_SIGNALING_PATHWAY
WP_APOPTOSIS, WP_APOPTOSIS
REACTOME_TRANSCRIPTIONAL_ACTIVITY_OF_SMAD2_SMAD3_SMAD4_HETEROTRIMER, REACTOME_TRANSCRIPTIONAL_ACTIVITY_OF_SMAD2_SMAD3_SMAD4_HETEROTRIMER
REACTOME_MAPK_TARGETS_NUCLEAR_EVENTS_MEDIATED_BY_MAP_KINASES, REACTOME_MAPK_TARGETS_NUCLEAR_EVENTS_MEDIATED_BY_MAP_KINASES
REACTOME_GOLGI_CISTERNAE_PERICENTRIOLAR_STACK_REORGANIZATION, REACTOME_GOLGI_CISTERNAE_PERICENTRIOLAR_STACK_REORGANIZATION
PID_FGF_PATHWAY, PID_FGF_PATHWAY
KEGG_APOPTOSIS, KEGG_APOPTOSIS
KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION, KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION
CHUNG_BLISTER_CYTOTOXICITY_UP, CHUNG_BLISTER_CYTOTOXICITY_UP
WP_INTERLEUKIN11_SIGNALING_PATHWAY, WP_INTERLEUKIN11_SIGNALING_PATHWAY
PID_MET_PATHWAY, PID_MET_PATHWAY
SIG_PIP3_SIGNALING_IN_CARDIAC_MYOCYTES, SIG_PIP3_SIGNALING_IN_CARDIAC_MYOCYTES
HEIDENBLAD_AMPLIFIED_IN_PANCREATIC_CANCER, HEIDENBLAD_AMPLIFIED_IN_PANCREATIC_CANCER
KEGG_NEUROTROPHIN_SIGNALING_PATHWAY, KEGG_NEUROTROPHIN_SIGNALING_PATHWAY
PID_CDC42_PATHWAY, PID_CDC42_PATHWAY
WP_PROLACTIN_SIGNALING_PATHWAY, WP_PROLACTIN_SIGNALING_PATHWAY
BIOCARTA_FCR1_PATHWAY, BIOCARTA_FCR1_PATHWAY
MCBRYAN_PUBERTAL_BREAST_6_7WK_UP, MCBRYAN_PUBERTAL_BREAST_6_7WK_UP
WP_PARKINUBIQUITIN_PROTEASOMAL_SYSTEM_PATHWAY, WP_PARKINUBIQUITIN_PROTEASOMAL_SYSTEM_PATHWAY
BIOCARTA_EGF_PATHWAY, BIOCARTA_EGF_PATHWAY
KEGG_RENAL_CELL_CARCINOMA, KEGG_RENAL_CELL_CARCINOMA
WP_APOPTOSIS_MODULATION_AND_SIGNALING, WP_APOPTOSIS_MODULATION_AND_SIGNALING
BIOCARTA_RAS_PATHWAY, BIOCARTA_RAS_PATHWAY
PID_RETINOIC_ACID_PATHWAY, PID_RETINOIC_ACID_PATHWAY
CAFFAREL_RESPONSE_TO_THC_8HR_3_DN, CAFFAREL_RESPONSE_TO_THC_8HR_3_DN
WP_TARGET_OF_RAPAMYCIN_TOR_SIGNALING, WP_TARGET_OF_RAPAMYCIN_TOR_SIGNALING
WP_NEURODEGENERATION_WITH_BRAIN_IRON_ACCUMULATION_NBIA_SUBTYPES_PATHWAY, WP_NEURODEGENERATION_WITH_BRAIN_IRON_ACCUMULATION_NBIA_SUBTYPES_PATHWAY
REACTOME_POTENTIAL_THERAPEUTICS_FOR_SARS, REACTOME_POTENTIAL_THERAPEUTICS_FOR_SARS
BIOCARTA_ARENRF2_PATHWAY, BIOCARTA_ARENRF2_PATHWAY
WP_NETRINUNC5B_SIGNALING_PATHWAY, WP_NETRINUNC5B_SIGNALING_PATHWAY
PID_ENDOTHELIN_PATHWAY, PID_ENDOTHELIN_PATHWAY
REACTOME_CYTOCHROME_C_MEDIATED_APOPTOTIC_RESPONSE, REACTOME_CYTOCHROME_C_MEDIATED_APOPTOTIC_RESPONSE
WP_TNF_ALPHA_SIGNALING_PATHWAY, WP_TNF_ALPHA_SIGNALING_PATHWAY
BIOCARTA_AT1R_PATHWAY, BIOCARTA_AT1R_PATHWAY
REACTOME_VEGFR2_MEDIATED_VASCULAR_PERMEABILITY, REACTOME_VEGFR2_MEDIATED_VASCULAR_PERMEABILITY
BYSTROEM_CORRELATED_WITH_IL5_UP, BYSTROEM_CORRELATED_WITH_IL5_UP
REACTOME_CIRCADIAN_CLOCK, REACTOME_CIRCADIAN_CLOCK
WP_INTEGRINMEDIATED_CELL_ADHESION, WP_INTEGRINMEDIATED_CELL_ADHESION
WP_MAPK_CASCADE, WP_MAPK_CASCADE
PID_CERAMIDE_PATHWAY, PID_CERAMIDE_PATHWAY
WP_NEOVASCULARISATION_PROCESSES, WP_NEOVASCULARISATION_PROCESSES
CHEN_HOXA5_TARGETS_6HR_UP, CHEN_HOXA5_TARGETS_6HR_UP
WP_RANKLRANK_RECEPTOR_ACTIVATOR_OF_NFKB_LIGAND_SIGNALING_PATHWAY, WP_RANKLRANK_RECEPTOR_ACTIVATOR_OF_NFKB_LIGAND_SIGNALING_PATHWAY
REACTOME_NEGATIVE_REGULATION_OF_THE_P13K_AKT_NETWORK, REACTOME_NEGATIVE_REGULATION_OF_THE_P13K_AKT_NETWORK
PID_LYMPH_ANGIOGENESIS_PATHWAY, PID_LYMPH_ANGIOGENESIS_PATHWAY
PID_IL6_SIGNALING_PATHWAY, WP_IL6_SIGNALING_PATHWAY
WP_NEURAL_CREST_DIFFERENTIATION, WP_NEURAL_CREST_DIFFERENTIATION
REACTOME_AMINO_ACIDS_REGULATE_MTORC1, REACTOME_AMINO_ACIDS_REGULATE_MTORC1
MARTIN_INTERACT_WITH_HDAC, MARTIN_INTERACT_WITH_HDAC
WP_IL4_SIGNALING_PATHWAY, WP_IL4_SIGNALING_PATHWAY
PID_TCR_RAS_PATHWAY, PID_TCR_RAS_PATHWAY
PID_CD8_TCR_DOWNSTREAM_PATHWAY, PID_CD8_TCR_DOWNSTREAM_PATHWAY
BIOCARTA_CDMAC_PATHWAY, BIOCARTA_CDMAC_PATHWAY
BIOCARTA_PDGF_PATHWAY, BIOCARTA_PDGF_PATHWAY
SA_PTEN_PATHWAY, SA_PTEN_PATHWAY
WP_HEPATITIS_C_AND_HEPATOCELLULAR_CARCINOMA, WP_HEPATITIS_C_AND_HEPATOCELLULAR_CARCINOMA
WP_IL1_SIGNALING_PATHWAY, WP_IL1_SIGNALING_PATHWAY
BIOCARTA_CERAMIDE_PATHWAY, BIOCARTA_CERAMIDE_PATHWAY
WP_AUTOPHAGY, WP_AUTOPHAGY