## GAP JUNCTION LPA K04289 Cytokine-citokine receptor K02833.. K04357. interaction (Liver epithelial cells) MAPK signaling pathway K07374 K07372 K07375 K07372 Hemichannels K07372 ER, Golgi v-Src K07372 K04371 Gap junction channel Embryonic development K07372... K07372... High $[Ca^{2+}]_i/[H^+]_i$ Ions Electrical coupling Amino acids Metabolic transport Nucleotides Apoptosis Second messengers Differentiation Other metabolites K07372.. K07372.. Tissue homeostasis K05701 Degradation (lysosome, Annular gap junction Proteasome) Noradrenaline K04141 (Visual cortex) K04632 Ó сGMР cAMP K04144 O DAG Dopamine Neuroactive (Retina) ligand-receptor interaction Phosphatidylinositol signaling system K04145 Serotonin K04157 ER IP3 Glutamate Calcium signaling (Developing neocortex) pathway NO O 04540 10/23/15 (c) Kanehisa Laboratories