



Legend:

- Receptor**: Represented by a U-shaped icon.
- Ligand**: Represented by a rectangular icon.
- Gene Symbol**: Represented by a black circle.
- Molecule in the pathway**: Represented by a rectangular icon.
- Proteins in a complex interaction**: Represented by two rectangular icons connected by a blue bracket.
- Enzyme complex**: Represented by two rectangular icons connected by a pink bracket.
- Molecular association (Protein-protein interaction)**: Represented by a green arrow.
- Reaction through unknown mechanisms/molecules**: Represented by a black line with a 'D' label.
- Autophosphorylation**: Represented by a blue curved arrow.
- Acetylation**: Represented by a yellow arrow.
- Deacetylation**: Represented by a cyan arrow.
- Glycosylation**: Represented by a light blue arrow.
- Methylation**: Represented by a green arrow.
- Demethylation**: Represented by a purple arrow.
- Palmitoylation**: Represented by a pink arrow.
- Phosphorylation**: Represented by a blue arrow.
- Dephosphorylation**: Represented by a magenta arrow.
- Proteolytic cleavage**: Represented by a teal arrow.
- Sumoylation**: Represented by a brown arrow.
- Desumoylation**: Represented by a grey arrow.
- Ubiquitination**: Represented by an orange arrow.
- Deubiquitination**: Represented by a yellow arrow.
- Activation**: Represented by a purple arrow.
- Inhibition**: Represented by a red arrow.
- Recruitment**: Represented by a dashed cyan arrow.
- Control**: Represented by a dashed blue arrow.
- Translocation**: Represented by a dashed brown arrow.

Cellular Compartments:

- CY**: Cytoplasm
- EC**: Extracellular
- EN**: Endosome
- ER**: Endoplasmic reticulum
- GO**: Golgi apparatus
- MT**: Mitochondrion
- NU**: Nucleus
- PM**: Plasma membrane