Tuberin/TSC2 (Phospho Ser1254) Rabbit pAb

CatalogNo: YP1600

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,ELISA

MW
- 73kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000
ELISA 1:5000-20000

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human TSC2 (Phospho Ser1254)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat TSC2 (Phospho Ser1254).The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):SLsVP

Target Information

Gene name TSC2 TSC4

Protein Name Tuberin/TSC2 (Phospho Ser1254)

Organism	Gene ID	UniProt ID
Human	7249;	P49815;
Mouse		Q61037;
Rat	24855;	P49816;

Cellular Localization Cytoplasm. Membrane; Peripheral membrane protein. At steady state found in association with membranes.

Tissue specificity Liver, brain, heart, lymphocytes, fibroblasts, biliary epithelium, pancreas, skeletal muscle, kidney, lung and placenta.

Function	embryonic epithelial tube formation, neural tube formation, neural tube closure, regulation of cell-matrix adhesion,morphogenesis of an epithelium, acute inflammatory response, protein complex assembly, negative regulation of protein kinase activity, protein targeting, protein import into nucleus, intracellular protein transport, endocytosis,nucleocytoplasmic transport, chemotaxis, defense response, acute-phase response, inflammatory response, cell surface receptor linked signal transduction, enzyme linked receptor protein signaling pathway, transmembrane receptor protein tyrosine kinase signaling pathway, intracellular signaling cascade, protein kinase cascade, heart development, behavior, locomotory behavior, protein localization, negative regulation of cell proliferation, regulation of cell size, response to wounding, embryonic development ending in birth or egg hatching, negative regulation of signal transduction, membrane invagination, regulation of protein kinase cascade, negative regulation of cell communication,negative regulation of protein kinase cascade, regulation of cell-substrate adhesion, primary neural tube formation,regulation of phosphoinositide 3-kinase cascade, negative regulation of phosphoinositide 3-kinase cascade, protein transport, membrane organization, vesicle-mediated transport, morphogenesis of embryonic epithelium, protein import, regulation of phosphate metabolic process, neural tube development, cell projection organization, regulation of endocytosis, regulation of Wnt receptor signaling pathway, regulation of cell adhesion, negative regulation of Wnt receptor signaling pathway, regulation of TOR signaling pathway, negative regulation of TOR signaling pathway,regulation of actin filament bundle formation, regulation of cellular component size, regulation of actin cytoskeleton organization, regulation of actin filament-based process, regulation of organelle organization, protein localization in organelle, negative regulation of kinase activity, protein localization in nucleus, cellular protein localization, tube lumen formation, tube morphogenesis, tube development, regulation of cell proliferation, regulation of phosphorylation,taxis, chordate embryonic development, positive regulation of catalytic activity, negative regulation of catalytic activity,regulation of GTPase activity, regulation of MAP kinase activity, negative regulation of MAP kinase activity, protein kinase B signaling cascade, positive regulation of GTPase activity, regulation of kinase activity, macromolecular complex subunit organization, regulation of cellular component biogenesis, negative regulation of molecular function,positive regulation of molecular function, establishment of protein localization, negative regulation of cell size,regulation of protein kinase activity, regulation of insulin receptor signaling pathway, intracellular transport, insulin-like growth factor receptor signaling pathway, embryonic morphogenesis, tissue morphogenesis, regulation of epithelial cell proliferation, negative regulation of epithelial cell proliferation, positive chemotaxis, regulation of small GTPase mediated signal transduction, nuclear transport, nuclear import, regulation of phosphorus metabolic process, protein oligomerization, protein homooligomerization, protein heterooligomerization, regulation of hydrolase activity,regulation of transferase activity, positive regulation of hydrolase activity, negative regulation of transferase activity,regulation of stress fiber formation, regulation of cytoskeleton organization, regulation of cell cycle, regulation of focal adhesion formation, regulation of protein kinase B signaling cascade, negative regulation of protein kinase B signaling cascade, epithelium development, epithelial tube morphogenesis, tube closure, regulation of vesicle-mediated transport, macromolecular complex assembly, protein complex biogenesis, cellular macromolecule localization,

Validation Data

Contact information

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