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Cip4 Antibody
Rabbit mAb
Catalog # AP92874

Specification

Cip4 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q15642
Clonality	**Monoclonal**

Other Names
Cdc42 interacting protein 4; CIP4; DCIP4; hSTP; STOT; STP; Thyroid receptor interacting protein 10; trip10;

Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**68352 Da**

Cip4 Antibody - Additional Information

Dilution	**WB~~1:1000** **IHC~~1:100~500**
Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human Cip4**
Description	**Required for translocation of GLUT4 to the plasma membrane in response to insulin signaling (By similarity).**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

Cip4 Antibody - Protein Information

Name TRIP10

Synonyms CIP4, STOT, STP

Function
Required for translocation of GLUT4 to the plasma membrane in response to insulin signaling (By similarity). Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during endocytosis. Binds to lipids such as phosphatidylinositol 4,5- bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also promotes CDC42-induced actin polymerization by recruiting WASL/N-WASP which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. Required for the formation of podosomes, actin-rich adhesion structures specific to monocyte- derived cells. May be required for the lysosomal retention of FASLG/FASL.

Cellular Location
Cytoplasm, cytoskeleton. Cytoplasm, cell cortex. Lysosome. Golgi apparatus. Cell membrane. Cell projection, phagocytic cup. Note=Translocates to the plasma membrane in response to insulin stimulation, and this may require active RHOQ (By similarity) Localizes to cortical regions coincident with F-actin, to lysosomes and to sites of phagocytosis in macrophages. Also localizes to the Golgi, and this requires AKAP9.

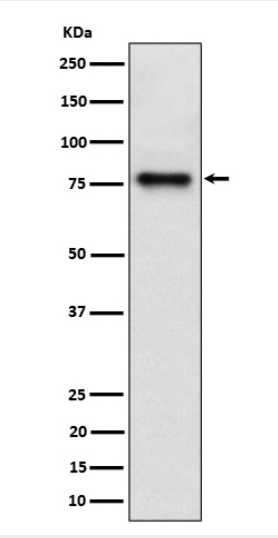
Tissue Location
Expressed in brain, colon, heart, kidney, liver, lung, megakaryocyte, ovary, pancreas, peripheral blood lymphocytes, placenta, prostate, skeletal muscle, small intestine, spleen, testis, thymus and trachea.

Cip4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Cip4 Antibody - Images



Western blot analysis of Cip4 expression in HepG2 cell lysate.