

# Anti-Cip4 Rabbit Monoclonal Antibody

Catalog # ABO16334

## Product Information

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|--------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC                                                                                                        |
| <b>Primary Accession</b> | <a href="#">Q15642</a>                                                                                         |
| <b>Host</b>              | Rabbit                                                                                                         |
| <b>Isotype</b>           | IgG                                                                                                            |
| <b>Reactivity</b>        | Human, Mouse                                                                                                   |
| <b>Clonality</b>         | Monoclonal                                                                                                     |
| <b>Format</b>            | Liquid                                                                                                         |
| <b>Description</b>       | Anti-Cip4 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse. |

## Additional Information

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|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                         | 9322                                                                                                                                                                          |
| <b>Other Names</b>                     | Cdc42-interacting protein 4, Protein Felic, Salt tolerant protein, hSTP, Thyroid receptor-interacting protein 10, TR-interacting protein 10, TRIP-10, TRIP10, CIP4, STOT, STP |
| <b>Calculated MW</b>                   | 68352                                                                                                                                                                         |
| <b>Application Details</b>             | WB 1:500-1:2000<br>IHC 1:50-1:200                                                                                                                                             |
| <b>Source</b>                          | Eukaryota                                                                                                                                                                     |
| <b>Contents</b>                        | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                           |
| <b>Clone Names</b><br><b>Immunogen</b> | Clone: 28T70<br>A synthesized peptide derived from human Cip4                                                                                                                 |
| <b>Purification</b>                    | Affinity-chromatography                                                                                                                                                       |
| <b>Storage</b>                         | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                                    |

## Protein Information

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|-----------------|---------------------------------------------------------------------------|
| <b>Name</b>     | TRIP10                                                                    |
| <b>Synonyms</b> | CIP4, STOT, STP                                                           |
| <b>Function</b> | 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- biphosphate 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

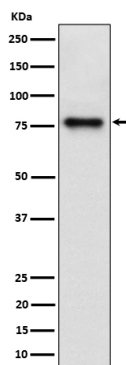
Cytoplasm, cytoskeleton. Cytoplasm, cell cortex. Lysosome. Golgi apparatus. Cell membrane. Cell projection, phagocytic cup. Note=Translocates to the plasma membrane in response to insulin stimulation, and this may require active RHOQ (By similarity) Localizes to cortical regions coincident with F-actin, 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.

## Images

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Western blot analysis of Cip4 expression in HepG2 cell lysate.

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