

Product Name: Cip4 Rabbit Monoclonal Antibody**Catalog #: AMRe86493**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.55mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:1000-1:5000,IHC 1:100-1:200
Molecular Weight	Calculated MW:68 kDa; Observed MW:80 kDa

Antigen Information

Gene Name	Cip4
Alternative Names	STP; CIP4; HSTP; STOT; TRIP-10
Gene ID	9322
SwissProt ID	Q15642
Immunogen	A synthetic peptide of human Cip4

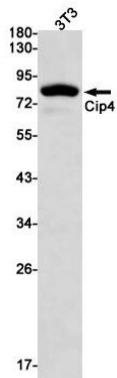
Background

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

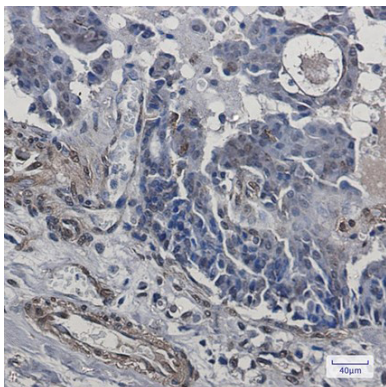
phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also promotes CDC42-induced actin polymerization by recruiting WASL/N-WASP which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane 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.

Research Area

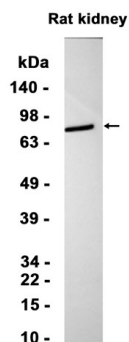
Image Data



Western blot detection of Cip4 in 3T3 cell lysates using Cip4 antibody(1:1000 diluted).



Immunohistochemical analysis of paraffin-embedded human breast cancer using AMRe86493 antibody.



Western blot analysis of extracts from Rat kidney tissue using AMRe86493 at 1:3000.