




Product datasheet

Anti-Cip4 antibody ab220258

1 Image

Overview

Product name	Anti-Cip4 antibody
Description	Rabbit polyclonal to Cip4
Host species	Rabbit
Tested applications	Suitable for: ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Orangutan 
Immunogen	Recombinant fragment corresponding to Human Cip4 aa 194-246. Sequence: LQRFNRDQAHFYFSQMPQIFDKLQDMDERRATRLGAG YGLLSEAELEVVP IIA Database link: Q15642  Run BLAST with  Run BLAST with
Positive control	ICC/IF: U-2 OS cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab220258** in the following tested applications.

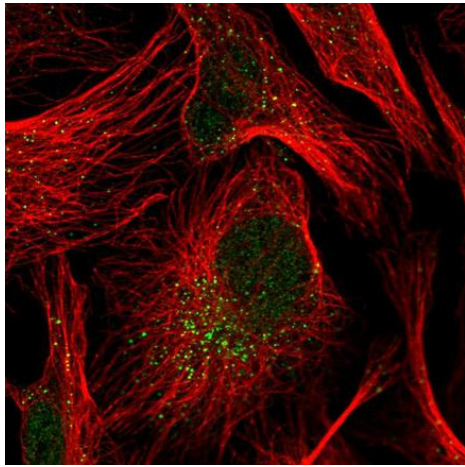
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 - 4 µg/ml. Use PFA/Triton X-100 Fixation/Permeabilization.

Target

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.
Tissue specificity	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.
Sequence similarities	Belongs to the FNBP1 family. Contains 1 FCH domain. Contains 1 REM (Hr1) repeat. Contains 1 SH3 domain.
Post-translational modifications	Tyrosine phosphorylated. Also phosphorylated by PKA.
Cellular localization	Cytoplasm > perinuclear region and Cytoplasm > cytoskeleton. Cytoplasm > cell cortex. Lysosome. Golgi apparatus. Cell membrane. Cell projection > phagocytic cup. 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.

Images



Immunofluorescent analysis of U-2 OS cells (PFA-fixed/Triton X-100 permeabilized) labeling Cip4 with ab220258 at 4 $\mu\text{g}/\text{mL}$ (green).

Immunocytochemistry/ Immunofluorescence - Anti-Cip4 antibody (ab220258)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors