

Anti-Crk p38 Picoband Antibody

Catalog # ABO11808

Specification

Anti-Crk p38 Picoband Antibody - Product Information

ApplicationWB, IHC-PPrimary AccessionP46108HostRabbitReactivityHuman, Mouse, RatClonalityPolyclonalFormatLyophilizedDescriptionRabbit IgG polyclonal antibody for Adapter molecule crk(CRK) detection. Tested with WB, IHC-P inHuman;Mouse;Rat.Human;Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Crk p38 Picoband Antibody - Additional Information

Gene ID 1398

Other Names Adapter molecule crk, Proto-oncogene c-Crk, p38, CRK

Calculated MW 33831 MW KDa

Application Details Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization Cytoplasm . Cell membrane . Translocated to the plasma membrane upon cell adhesion. .

Protein Name Adapter molecule crk

Contents Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen

E.coli-derived human Crk p38 recombinant protein (Position: A2-R246). Human Crk p38 shares 99% and 100% amino acid (aa) sequences identity with mouse and rat Crk p38, respectively.

Purification Immunogen affinity purified.

Cross Reactivity



No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities Belongs to the CRK family.

Anti-Crk p38 Picoband Antibody - Protein Information

Name CRK

Function Involved in cell branching and ad

Involved in cell branching and adhesion mediated by BCAR1- CRK-RAPGEF1 signaling and activation of RAP1.

Cellular Location

Cytoplasm. Cell membrane. Note=Translocated to the plasma membrane upon cell adhesion.

Anti-Crk p38 Picoband Antibody - Protocols

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

- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-Crk p38 Picoband Antibody - Images





Anti-Crk p38 Picoband antibody, ABO11808-1.jpgAll lanes: Anti Crk p38 (ABO11808) at 0.5ug/mlWB: Recombinant Human CRKp38 Protein 0.5ngPredicted bind size: 38KDObserved bind size: 38KD



Anti-Crk p38 Picoband antibody, ABO11808-2.jpgAll lanes: Anti Crk p38 (ABO11808) at 0.5ug/mlLane 1: Rat Spleen Tissue Lysate at 50ugLane 2: Rat Thymus Tissue Lysate at 50ugLane 3: Rat Liver Tissue Lysate at 50ugLane 4: Mouse Brain Tissue Lysate at 50ugLane 5: HELA Whole Cell Lysate at 40ugLane 6: SMMC Whole Cell Lysate at 40ugPredicted bind size: 34KDObserved bind size: 34KD



Anti-Crk p38 Picoband antibody, ABO11808-3.JPGIHC(P): Mouse Intestine Tissue





Anti-Crk p38 Picoband antibody, ABO11808-4.JPGIHC(P): Rat Brain Tissue



Anti-Crk p38 Picoband antibody, ABO11808-5.JPGIHC(P): Human Lung Cancer Tissue Anti-Crk p38 Picoband Antibody - Background

CRK, also known as p38 or CRKII, is a protein that in humans is encoded by the CRK gene. This gene is a member of an adapter protein family that binds to several tyrosine-phosphorylated proteins. It is mapped to 17p13.3. The CRK protein participates in the Reelin signaling cascade downstream of DAB1. The product of this gene has several SH2 and SH3 domains (src-homology domains) and is involved in several signaling pathways, recruiting cytoplasmic proteins in the vicinity of tyrosine kinase through SH2-phosphotyrosine interaction. The N-terminal SH2 domain of this protein functions as a positive regulator of transformation whereas the C-terminal SH3 domain functions as a negative regulator of transformation. Two alternative transcripts encoding different isoforms with distinct biological activity have been described.