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Anti-Parvin Alpha Picoband Antibody
Catalog # ABO12242

Specification

Anti-Parvin Alpha Picoband Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q9NVD7
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Alpha-parvin(PARVA) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

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

Anti-Parvin Alpha Picoband Antibody - Additional Information

Gene ID 55742

Other Names
Alpha-parvin, Actopaxin, CH-ILKBP, Calponin-like integrin-linked kinase-binding protein, Matrix-remodeling-associated protein 2, PARVA, MXRA2

Calculated MW
42244 MW KDa

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

Subcellular Localization
Cell junction, focal adhesion. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z line . Constituent of focal adhesions. Associates with the actin cytoskeleton.

Tissue Specificity
Widely expressed, with highest levels in heart, skeletal muscle, kidney and liver. .

Protein Name
Alpha-parvin

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

Immunogen
A synthetic peptide corresponding to a sequence in the middle region of human Parvin alpha

(155-185aa QKLQTVLEKINETLKLPPRSIKWNVDSVHAK), identical to the related mouse sequence, and different from the related rat sequence by one amino acid.

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 parvin family.

Anti-Parvin Alpha Picoband Antibody - Protein Information

Name PARVA

Synonyms MXRA2

Function
Plays a role in sarcomere organization and in smooth muscle cell contraction. Required for normal development of the embryonic cardiovascular system, and for normal septation of the heart outflow tract. Plays a role in sprouting angiogenesis and is required for normal adhesion of vascular smooth muscle cells to endothelial cells during blood vessel development (By similarity). Plays a role in the reorganization of the actin cytoskeleton, formation of lamellipodia and ciliogenesis. Plays a role in the establishment of cell polarity, cell adhesion, cell spreading, and directed cell migration. Within the IPP (ILK-PINCH-PARVIN) complex, binds to F-actin, promoting F-actin bundling, a process required to generate force for actin cytoskeleton reorganization and subsequent dynamic cell adhesion events such as cell spreading and migration (PubMed:30367047).

Cellular Location
Cell junction, focal adhesion. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z line

Tissue Location
Widely expressed, with highest levels in heart, skeletal muscle, kidney and liver.

Anti-Parvin Alpha Picoband 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

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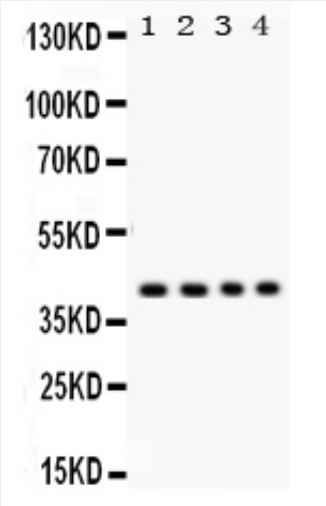
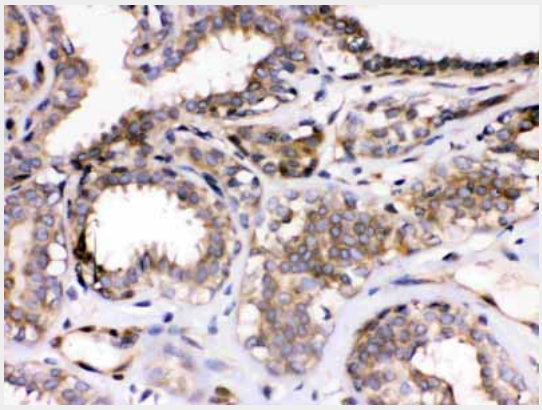
- Cell Culture

Anti-Parvin Alpha Picoband Antibody - Images



Anti- Parvin alpha Picoband antibody, ABO12242, Western blottingAll lanes: Anti Parvin alpha (ABO12242) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: SW620 Whole Cell Lysate at 40ugLane 4: HEPA Whole Cell Lysate at 40ugPredicted bind size: 42KDObserved bind size: 42KD



Anti- Parvin alpha Picoband antibody, ABO12242, IHC(P)IHC(P): Human Mammary Cancer Tissue

Anti-Parvin Alpha Picoband Antibody - Background

Parvin alpha is a protein that in humans is encoded by the PARVA gene. It is located on 11p15.3. PARVA belongs to the parvin family of actin-binding proteins. Parvins are associated with focal contacts and contain calponin homology domains that bind to actin filaments. The encoded protein is part of the integrin-linked kinase signaling complex and plays a role in cell adhesion, motility and survival.