

Anti-Parvin Alpha Picoband Antibody
Catalog # ABO12242**Specification**

Anti-Parvin Alpha Picoband Antibody - Product Information

Application	WB, IHC
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 Na₃.

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 reconstitution, 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.

Cellular Location

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

Tissue Location

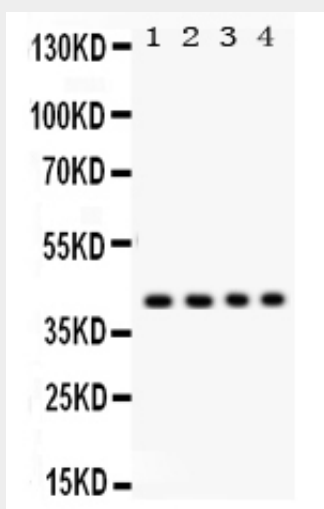
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Anti-Parvin Alpha Picoband Antibody - Protocols

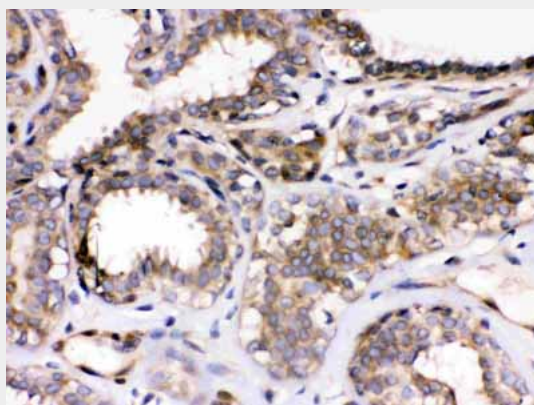
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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.