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Anti-Parvin Alpha Picoband Antibody

Catalog # ABO12242

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.

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
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml, Human, By Heat Western blot, 0.1-0.5 □g/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. .
Source	Eukaryota
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.

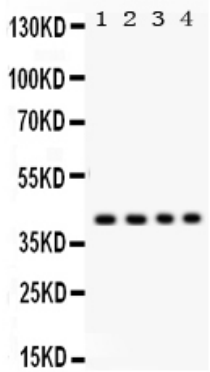
Protein Information

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.

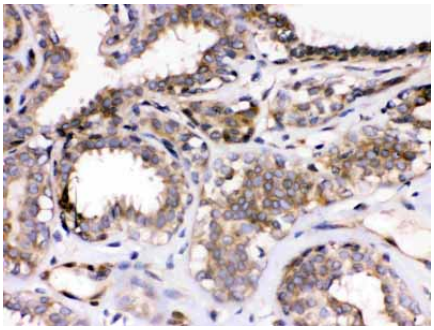
Background

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.

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