10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PARVA Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9318b

Specification

PARVA Antibody (C-term) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	Q9NVD7
Other Accession	Q9HB97, Q9EPC1
Reactivity	**Human, Mouse**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**42244**
Antigen Region	**323-351**

PARVA Antibody (C-term) - 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

Target/Specificity
This PARVA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 323-351 amino acids from the C-terminal region of human PARVA.

Dilution
IHC-P~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PARVA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PARVA Antibody (C-term) - Protein Information

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

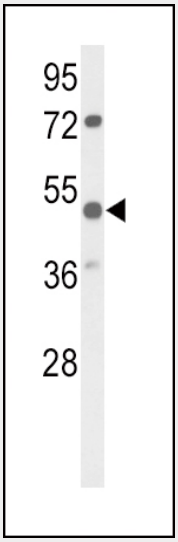
Tissue Location
Widely expressed, with highest levels in heart, skeletal muscle, kidney and liver.

PARVA Antibody (C-term) - Protocols

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

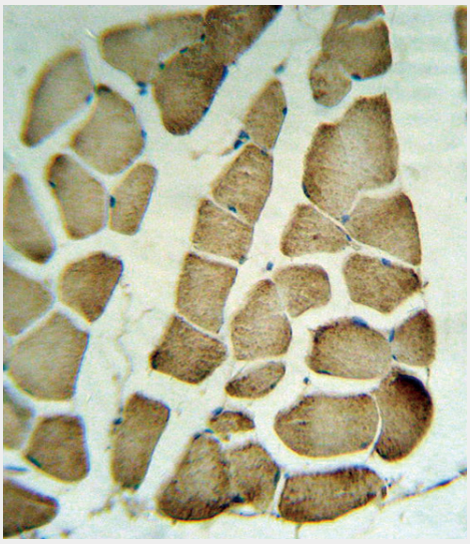
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PARVA Antibody (C-term) - Images



10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Western blot analysis of PARVA Antibody (C-term) (Cat. #AP9318b) in mouse bladder tissue lysates (35ug/lane). PARVA (arrow) was detected using the purified Pab.



PARVA Antibody (C-term) (Cat. #AP9318b) IHC analysis in formalin fixed and paraffin embedded human skeletal muscle tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PARVA Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

PARVA Antibody (C-term) - Background

PARVA is members of the parvin family, including PARVA, are actin-binding proteins associated with focal contacts.

PARVA Antibody (C-term) - References

Lorenz,S., et.al., Structure 16 (10), 1521-1531 (2008)
Wang,X., et.al., J. Biol. Chem. 283 (30), 21113-21119 (2008)
Ewing,R.M., et.al., Mol. Syst. Biol. 3, 89 (2007)