

Datasheet for ABIN7601096
anti-KTN1 antibody (AA 283-827)



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Overview

Quantity:	100 µg
Target:	KTN1
Binding Specificity:	AA 283-827
Reactivity:	Human, Rat, Mouse, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KTN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Kinectin 1/KTN1 Antibody Picoband®
Immunogen:	E.coli-derived human Kinectin 1/KTN1 recombinant protein (Position: K283-K827).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Kinectin 1/KTN1 Antibody Picoband® (ABIN7601096). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat, Monkey. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target: KTN1

Alternative Name: KTN1 ([KTN1 Products](#))

Background: Synonyms: Matrix metalloproteinase-16, MMP-16, 3.4.24.-, MMP-X2, Membrane-type matrix metalloproteinase 3, MT-MMP 3, MTMMP3, Membrane-type-3 matrix metalloproteinase, MT3-MMP, MT3MMP, MMP16, MMPX2,

Tissue Specificity: Expressed in heart, brain, placenta, ovary and small intestine. Isoform Short is found in the ovary.

Background: Kinectin is a protein that in humans is encoded by the KTN1 gene. This gene encodes an integral membrane protein that is a member of the kinectin protein family. The encoded protein is primarily localized to the endoplasmic reticulum membrane. This protein binds kinesin and may be involved in intracellular organelle motility. This protein also binds translation elongation factor-delta and may be involved in the assembly of the elongation factor-1 complex. Alternate splicing results in multiple transcript variants of this gene.

Molecular Weight: 160 kDa

Gene ID: 3895

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat, Monkey
Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat
Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
ELISA, 0.1-0.5 µg/mL, -
1. Futterer, A., Kruppa, G., Kramer, B., Lemke, H., Kronke, M. Molecular cloning and characterization of human kinectin. *Molec. Biol. Cell* 6: 161-170, 1995. 2. Ong, L.-L., Er, C. P. N., Ho, A., Aung, M. T., Yu, H. Kinectin anchors the translation elongation factor-1-delta to the endoplasmic reticulum. *J. Biol. Chem.* 278: 32115-32123, 2003. 3. Plitz, T., Pfeffer, K. Intact lysosome transport and phagosome function despite kinectin deficiency. *Molec. Cell. Biol.* 21: 6044-6055, 2001.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.