

Datasheet for ABIN2782098

anti-KTN1 antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	KTN1
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KTN1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human KTN1
Sequence:	EELLKVISER EKEISGLWNE LDSLKDAVEH QRKKNNDLRE KNWEAMEALA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against KTN1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	KTN1
---------	------

Target Details

Alternative Name:	KTN1 (KTN1 Products)
Background:	Various cellular organelles and vesicles are transported along the microtubules in the cytoplasm. Likewise, membrane recycling of the endoplasmic reticulum (ER), Golgi assembly at the microtubule organizing center, and alignment of lysosomes along microtubules are all related processes. The transport of organelles requires a special class of microtubule-associated proteins (MAPs). One of these is the molecular motor kinesin, an ATPase that moves vesicles unidirectionally toward the plus end of the microtubule. Another such MAP is kinectin, a large integral ER membrane protein. Antibodies directed against kinectin have been shown to inhibit its binding to kinesin. Various cellular organelles and vesicles are transported along the microtubules in the cytoplasm. Likewise, membrane recycling of the endoplasmic reticulum (ER), Golgi assembly at the microtubule organizing center, and alignment of lysosomes along microtubules are all related processes. The transport of organelles requires a special class of microtubule-associated proteins (MAPs). One of these is the molecular motor kinesin (see MIM 148760 and MIM 600025), an ATPase that moves vesicles unidirectionally toward the plus end of the microtubule. Another such MAP is kinectin, a large integral ER membrane protein. Antibodies directed against kinectin have been shown to inhibit its binding to kinesin.[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: CG1, KIAA0004, KNT, MGC133337, MU-RMS-40.19 Protein Interaction Partner: SYNE4, CLEC7A, SGTA, MEOX2, BNIP3, UBC, MDM2, BMI1, CTPS2, EHD1, WARS, HEXA, NPM1, CDH2, NEURL4, HERC2, ARRB1, SUMO2, SUMO1, PLEKHA5, PSMD7, KIF5B, IKBKE, RAC1, RHOG, RHOA, EEF1D, CDC42, AKT1, Protein Size: 1306
Molecular Weight:	150 kDa
Gene ID:	3895
NCBI Accession:	NM_001079522 , NP_001072990
UniProt:	Q17RZ5

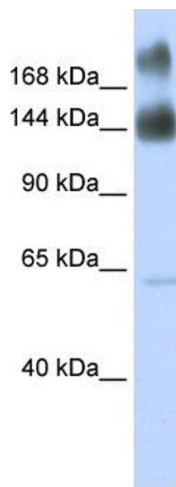
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1306 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-KTN1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human brain