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Datasheet for ABIN2778187
anti-KIF3B antibody (C-Term)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	KIF3B
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Dog, Rat, Horse, Cow, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIF3B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human KIF3B
Sequence:	APKVQAALDA ALQDEDEIQV DASSFESTAN KSKARPKSG RKS GSSSSSS
Predicted Reactivity:	Cow: 92%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 92%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against KIF3B. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	KIF3B
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Target Details

Alternative Name: [KIF3B \(KIF3B Products\)](#)

Background: The protein encoded by the KIF3B gene acts as a heterodimer with kinesin family member 3A to aid in chromosome movement during mitosis and meiosis. The encoded protein is a plus end-directed microtubule motor and can interact with the SMC3 subunit of the cohesin complex. In addition, the encoded protein may be involved in the intracellular movement of membranous organelles. This protein and kinesin family member 3A form the kinesin II subfamily of the kinesin superfamily.

Alias Symbols: PARP, PPOL, ADPRT, ADPRT1, PARP-1, ADPRT 1, pADPRT-1, KIF3B

Protein Interaction Partner: PARP1, CASP7, CASP3, UBE2I, TP53, SUMO2, CHFR, BANP, HUWE1, MDM2, SUMO3, DNMT1, CHD1L, IVNS1ABP, DDB2, PARP9, UBC, Rnf146, APLF, UHRF1, RPA3, RPA2, RPA1, ERG, MAFF, POLG2, RPL35, RPL27A, RPL19, RAD23A, PHB, CETN2, CETN1, DDX39A, PDLIM7, RPL14, MAFK, MAFG,

Protein Size: 747

Molecular Weight: 85 kDa

Gene ID: 142

NCBI Accession: [NM_004798, NP_004789](#)

UniProt: [O15066](#)

Pathways: [Hedgehog Signaling, M Phase](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 747 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

Handling

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.

Publications

Product cited in: van Dijk, Schilders, Pruijn: "Human cell growth requires a functional cytoplasmic exosome, which is involved in various mRNA decay pathways." in: **RNA (New York, N.Y.)**, Vol. 13, Issue 7, pp. 1027-35, (2007) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-KIF3B Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate