

Datasheet for ABIN2784857
anti-KATNA1 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	KATNA1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KATNA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide corresponding to a region of Mouse
Sequence:	DDPSKMVMVL AATNFPWDID EALRRRLEKR IYIPLPSAKG REELLRISLR
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against Katna1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	KATNA1
Alternative Name:	Katna1 (KATNA1 Products)

Target Details

Background:	<p>Katna1 severs microtubules in vitro in an ATP-dependent manner. This activity may promote rapid reorganization of cellular microtubule arrays, such as that seen during disassembly of interphase microtubules at the G2-M transition. It may also be required for microtubule release from the centrosome after nucleation. In mitotic spindles this could allow depolymerization of the microtubule end proximal to the centrosome, and subsequent poleward microtubule flux. In neurons, microtubule release within the cell body allows their subsequent transport into neuronal processes by microtubule dependent motor proteins. This transport is required for axonal growth.</p> <p>Alias Symbols: -</p> <p>Protein Interaction Partner: KATNB1,</p> <p>Protein Size: 491</p>
Molecular Weight:	54 kDa
Gene ID:	23924
NCBI Accession:	NM_011835 , NP_035965
UniProt:	Q9WV86
Pathways:	Microtubule Dynamics

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 491 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.

Handling

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


90 kDa__

65 kDa__

40 kDa__

31 kDa__

22 kDa__



Rabbit Anti-Katna1 Antibody

Catalog Number: ARP52277

Lot Number: QC29917

Lane: Mouse Spleen Lysate

Antibody Titration: 1.0µg/ml

Gel Concentration: 12%

Western Blotting

Image 1.