

Product datasheet for **TA340148**

Katna1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-Katna1 antibody: synthetic peptide corresponding to a region of Mouse. Synthetic peptide located within the following region: DDPSKMVMVLAATNFPWDIDEALRRRLEKRIYIPLPSAKGREELLRLSLR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	54 kDa
Gene Name:	katanin p60 (ATPase-containing) subunit A1
Database Link:	NP_035965 Entrez Gene 23924 Mouse



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Background:

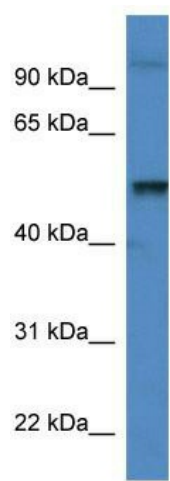
Katna1 severs microtubules in vitro in an ATP-dependent manner. This activity may promote rapid reorganization of cellular microtubule arrays, such as that seen during disassembly of interphase microtubules at the G2-M transition. It may also be required for microtubule release from the centrosome after 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.

Synonyms:

KATNA1

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 85%

Product images:


WB Suggested Anti-Katna1 Antibody; Titration: 1.0 ug/ml; Positive Control: Mouse Spleen