

Datasheet for ABIN928619
anti-KATNA1 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	KATNA1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KATNA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Katna1 antibody was raised in rabbit using the C terminal of Katna1 as the immunogen
Cross-Reactivity:	Mouse (Murine)
Purification:	Purified

Target Details

Target:	KATNA1
Alternative Name:	Katna1 (KATNA1 Products)
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

Target Details

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. Synonyms: Polyclonal Katna1 antibody, Anti-Katna1 antibody, katanin p60, ATPase-containing subunit A1 antibody.

Pathways: [Microtubule Dynamics](#)

Application Details

Application Notes: Optimal conditions should be determined by the investigator.

Comment: Katna1 Blocking Peptide, catalog no. 33R-1887, is also available for use as a blocking control in assays to test for specificity of this Katna1 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: Lot specific

Buffer: Lyophilized powder. Add 50 μ L of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 $^{\circ}$ C/-20 $^{\circ}$ C

Storage Comment: Store at 4 $^{\circ}$ C, following reconstitution, aliquot and store at -20 $^{\circ}$ C.

Images



Western Blotting

Image 1. Western Blot showing Katna1 antibody used at a concentration of 1.0 μ g/ml against Mouse Spleen Lysate