

Kinesin 5C Polyclonal Antibody

Catalog Number40-8100

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Pig
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Western Blot (WB)	Assay-dependent
Immunogen	Bacterially expressed cDNA encoding full-length human neuronal kinesin heavy chain, which shares 96% homology with mouse	Immunocytochemistry (ICC/IF)	Assay-dependent
		* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.25 mg/mL		
Storage Conditions	-20°C		

Background/Target Information

Kinesins are a superfamily of microtubule-associated motor proteins involved in a variety of cellular processes including membranous organelle transport and cell division. Kinesin has been found in a variety of organisms and cell types and is subject to spatial and temporal regulation. These proteins have a modular structure including a conserved motor domain of approximately 350 amino acids, which is responsible for microtubule binding and ATP hydrolysis. In addition to the motor domain, subfamily members share common domain organization, exhibit sequence similarity, motility properties, and cellular functions outside of the motor domain. There are currently three known Kinesin 5 family members denoted as A, B, and C. Kinesin 5A and kinesin 5C appear to be exclusively neuronal, whereas kinesin 5B appears to be ubiquitous in its expression.

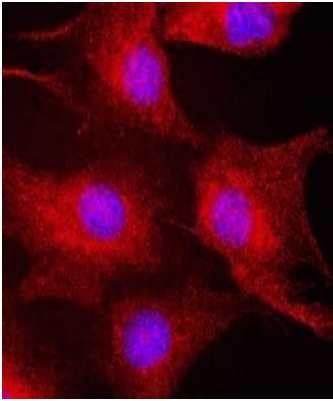
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Product Images For Kinesin 5C Polyclonal Antibody



Kinesin 5C Antibody (40-8100) in ICC/IF

Indirect immunofluorescent staining of NIH3T3 cells using Zymed Rb anti-Kinesin (Product # 40-8100).

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