

Myosin IXb rabbit pAb

Cat No.:ES6320

For research use only

Overview

Product Name	Myosin IXb rabbit pAb	
Host species	Rabbit	
Applications	WB;ELISA;IHC	
Species Cross-Reactivity	Human;Mouse;Rat	
Recommended dilutions	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000	
Immunogen	The antiserum was produced against synthesized	
	peptide derived from human MYO9B. AA	
	range:304-353	
Specificity	Myosin IXb Polyclonal Antibody detects endogenous	
	levels of Myosin IXb protein.	
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and	
	0.02% sodium azide.	
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.	
Protein Name	Unconventional myosin-IXb	
Gene Name	МҮО9В	
Cellular localization	Cytoplasm, cell cortex . Cytoplasm, perinuclear	
	region . Cytoplasm, cytoskeleton . In	
	undifferentiated cells colocalizes with F-actin in the	
	cell periphery while in differentiated cells its	
	localization is cytoplasmic with the highest levels in	
	the perinu	
Purification	The antibody was affinity-purified from rabbit	
	antiserum by affinity-chromatography using	
	epitope-specific immunogen.	
Clonality	Polyclonal	
Concentration	1 mg/ml	
Observed band	250kD	
Human Gene ID	4650	
Human Swiss-Prot Number	Q13459	llte.
Alternative Names	MYO9B; MYR5; Unconventional myosin-IXb;	
	Unconventional myosin-9b	
Background	This gene encodes a member of the myosin family	
	of actin-based molecular motor heavy chain	



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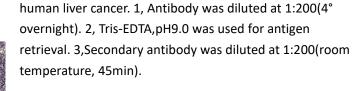
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proteins. The protein represents an unconventional myosin; it should not be confused with the conventional non-muscle myosin-9 (MYH9). The protein has four IQ motifs located in the neck domain that bind calmodulin, which serves as a light chain. The protein complex has a single-headed structure and exhibits processive movement on actin filaments toward the minus-end. The protein also has rho-GTPase activity. Polymorphisms in this gene are associated with celiac disease and ulcerative colitis susceptibility. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011],



Immunohistochemical analysis of paraffin-embedded





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