ELK Biotechnology

Myosin VA rabbit pAb
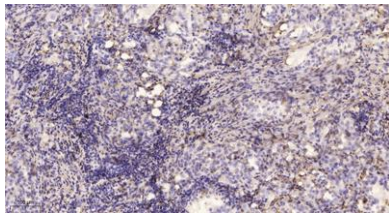
Cat No.:ES6319

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Overview

Product Name	Myosin VA rabbit pAb
Host species	Rabbit
Applications	WB;IHC
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB 1:500-2000;IHC-p 1:50-300
Immunogen	The antiserum was produced against synthesized peptide derived from human MYO5A. AA range:1784-1833
Specificity	Myosin VA Polyclonal Antibody detects endogenous levels of Myosin VA 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-Va
Gene Name	MYO5A
Cellular localization	ruffle,photoreceptor outer segment,cytoplasm,lysosome,early endosome,late endosome,peroxisome,endoplasmic reticulum,Golgi apparatus,cytosol,intermediate filament,actin filament,membrane,myosin complex,gr
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	220kD
Human Gene ID	4644
Human Swiss-Prot Number	Q9Y4I1
Alternative Names	MYO5A; MYH12; Unconventional myosin-Va; Dilute myosin heavy chain; non-muscle; Myosin heavy chain 12; Myosin-12; Myoxin
Background	This gene is one of three myosin V heavy-chain genes, belonging to the myosin gene superfamily.

Myosin V is a class of actin-based motor proteins involved in cytoplasmic vesicle transport and anchorage, spindle-pole alignment and mRNA translocation. The protein encoded by this gene is abundant in melanocytes and nerve cells. Mutations in this gene cause Griscelli syndrome type-1 (GS1), Griscelli syndrome type-3 (GS3) and neuroectodermal melanolysosomal disease, or Elejalde disease. Multiple alternatively spliced transcript variants encoding different isoforms have been reported, but the full-length nature of some variants has not been determined. [provided by RefSeq, Dec 2008],

Immunohistochemical analysis of paraffin-embedded human lung cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).