Datasheet for ABIN1607600

anti-MYH6 antibody

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	MYH6
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Anti-Myosin-6 was prepared from whole rabbit serum produced by repeated immunizations with a truncated myosin-6 construct expressed in SF9 insect cells corresponding to human myosyn-6 protein. Immunogen Type: Recombinant Protein
Cross-Reactivity (Details):	Cross reactivity with myosin6 from other sources have not been determined.
Purity:	Anti-Myosin-6 is directed against the human myosin-6 protein. The product was prepared from monospecific antiserum by delipidation and defibrination. A BLAST analysis was used to suggest reactivity with human only.
Endotoxin Level:	Low Endotoxin : No

Target Details

Target:	MYH6
Alternative Name:	Myosin 6 (MYH6 Products)

Target Details

Background:	Myosin VI is a myosin superfamily member with unique and intriguing features that allow it to fill a still-expanding number of cell biological roles. This actin-based motor produces force that acts towards the minus end of actin filaments, which is the opposite direction to all other characterized myosins. In mammalian cells, myosin VI is localized to endocytic vesicles, membrane ruffles, the cytosol and the Golgi complex. Its motor function is essential for several physiological functions of the cell, including normal rates of endocytosis, maintenance of Golgi morphology and protein secretion. Myosin VI regulates epithelial cell migration and plays a role in the maintenance of adhesive cellular contacts within epithelial cell layers. It is highly expressed in ovarian cancers and prostate cancers and its expression level, which is upregulated by DNA damage in a p53-dependent manner, correlates with the potential of the tumor to disseminate. More recently, myosin VI has been found involved in EGFR endocytosis through a clathrin dependent mechanism. Synonyms: MyosinVI, Unconventional myosin 6
Gene ID:	3799
NCBI Accession:	NP_004512
UniProt:	P33176

Application Details

Application Notes:	Myosin-6 antibody has been tested for use in ELISA and western blot. For western blots expect a band of approximately 150 kDa in size corresponding to truncated myosin-6 protein. Specific conditions for reactivity should be optimized by the end user. ELISA Dilution: 1:10.000 Western Blot Dilution: 1:1000
Restrictions:	For Research Use only

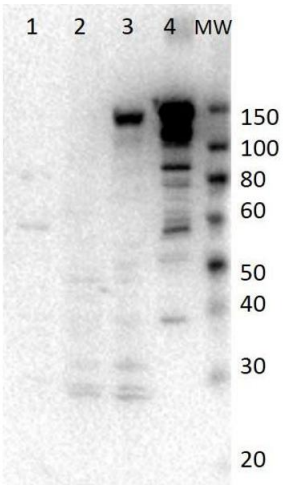
Handling

Format:	Liquid
Concentration:	25 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated

Handling

	above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.
Expiry Date:	Expiration date is one (1) year from date of opening.

Images



Western Blotting

Image 1. Western Blot of Rabbit anti-Myosin-6 antibody. Lane 1: SF9 cell lysate of truncated smooth myosin. Lane 2: Jurkat lysate. Lane 3: LnCap lysate. Lane 4: Recombinant myosin VI Load: 20µg per lane for cell lysate. 50ng of recombinant protein. Primary antibody: Myosin 6 antibody at 1:1000 for overnight at 4°C. Secondary antibody: HRP rabbit secondary antibody at 1:40,000 for 60 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 150 kDa for Myo6.