OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA396530S

MYO6 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	**WB**: 1:1000 **ELISA**: 1:10,000
Reactivity:	Human, Porcine
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Anti-Myosin-6 was prepared from whole rabbit serum produced by repeated immunizations with a full length myosin-6 construct expressed in SF9 insect cells corresponding to porcine myosyn-6 protein.
Specificity:	Anti-Myosin-6 is directed against the myosin-6 protein. The product was prepared from monospecific antiserum by delipidation and defibrination. A BLAST analysis was used to suggest reactivity with 94% human Myosin VI. Cross-reactivity with myosin6 from other sources have not been determined.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	25 mg/mL - lot specific
Conjugation:	Unconjugated
Storage:	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 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. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	Q29122

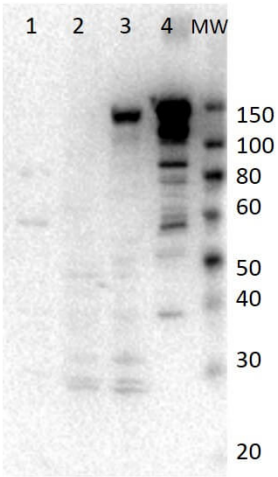
View online »

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: rabbit anti-Myosin-6 Antibody, MyosinVI, Unconventional myosin 6

Note: Myosin-6 antibody has been tested by western blot. For western blots expect a band of approximately 150 kDa in size corresponding to full length and ~85kDa and ~60kDa for truncated myosin-6 protein. Specific conditions for reactivity should be optimized by the end user. This antibody is suitable for use in ELISA.

Product images:



Western Blot of Rabbit anti-Myosin-6 antibody. Lane 1: SF9 cell lysate of truncated smooth myosin. Lane 2: Jurkat lysate (p/n W09-001-370). Lane 3: LnCap lysate (p/n W09-001-GJ9). 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.