

Product datasheet for **TA319509**

Myosin 1G (MYO1G) Rabbit Polyclonal Antibody

Product data:

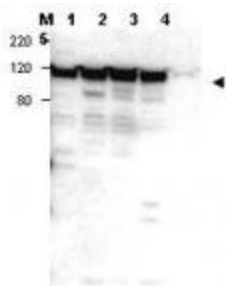
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:10,000 - 1:40,000, WB: 1:500 - 1:3,000, IP: 1:100
Reactivity:	Human, Mouse, Chimpanzee, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human Myosin 1G protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	myosin IG
Database Link:	NP_149043 Entrez Gene 246177 Mouse Entrez Gene 289785 Rat Entrez Gene 64005 Human B011T2
Synonyms:	HA2; HLA-HA2; MHAG



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Note: This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. In general, myosins are protein complexes consisting of one or more myosin heavy chains, associated light chains and other proteins. Myosins function as molecular motors and use the energy of ATP hydrolysis to move actin filaments or to move vesicles or other cargo on fixed actin filaments. Myosins have magnesium-ATPase activity and bind actin. Myosins can be divided into classes that are distinguished based on sequence features of the motor, or head domain, but also have distinct tail regions that are believed to bind specific cargoes. Unconventional myosins exist. Myosin 1G is an unconventional myosin that is restricted to hematopoietic cells. Unconventional myosins are also critical for motility in amoeba and a mammalian paralog (Myo1C) is critical as a glucose transporter that recycles glucose in response to insulin.

Product images:



Western blot using affinity purified anti-Myosin 1G antibody shows detection of a band ~100 kDa in size corresponding to Myosin 1G (arrowhead) in Myosin 1G positive whole cell lysate - lane 1 Jurkat, lane 2 peripheral blood T cells, lane 3 human spleen and lane 4 300.19. Lane 5, 293 cells, appear negative for Myosin 1G. Personal Communication. Stephen Shaw, NCI, Bethesda, MD.