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Rabbit Anti-Myosin 1G antibody

SL18971R

Product Name:	Myosin 1G
Chinese Name:	肌球蛋白IG抗体
Alias:	mHag HA-2; Minor histocompatibility antigen HA-2; Myo1g; MYO1G_HUMAN; myosin IG.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	116, 52kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Myosin 1G:451-550/1018
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	MYO1G is a plasma membrane-associated class I myosin (see MIM 601478) that is abundant in T and B lymphocytes and mast cells (Pierce et al., 2001 [PubMed 11544309]; Patino-Lopez et al., 2010 [PubMed 20071333]).[supplied by OMIM, Jun 2010] **Function:**

	Required for normal development and maintenance of cochlear hair cell bundles. Anchoring/scaffolding protein that is a part of the functional network formed by USH1C, USH1G, CDH23 and MYO7A that mediates mechanotransduction in cochlear hair cells. Required for normal hearing. **Subunit:** Interacts with CDH23 and PCDH15; these interactions may recruit USH1G to the plasma membrane By similarity. Interacts with USH1C (via the first PDZ domain) and with USH1G. Interacts with PDZD7. Interacts with MYO7A. Part of a complex composed of USH1C, USH1G and MYO7A. **Subcellular Location:** Cell membrane. Localization at the membrane is not highly dependent on phosphatidylinositol 4,5-bisphosphate levels. Released from the membrane in the presence of ATP. May be enriched in peripheral processes, such as microvilli or ruffles. **Tissue Specificity:** Specifically expressed in hematopoietic cells. **Similarity:** Contains 1 IQ domain. Contains 1 myosin head-like domain. **SWISS:** B0I1T2 **Gene ID:** 64005 **Database links:** Entrez Gene: 64005 Human Omim: 613445 Human SwissProt: B0I1T2 Human Unigene: 37617 Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.