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MYO1F Rabbit pAb

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Catalog # AP57425

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O00160
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	124844
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MYO1F
Epitope Specificity	1-100/1098
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Myosin If (MYO1F), also designated Myosin-Ie, is considered an unconventional Myosin and is expressed in the cochlea. The MYO1F gene encoding for the 1098 amino acid protein maps to chromosome 19p13.3-13.2.

Additional Information

Gene ID	4542
Other Names	Unconventional myosin-If, Myosin-Ie, MYO1F
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	MYO1F {ECO:0000303|PubMed:34301894, ECO:0000312|HGNC:HGNC:7600}
Function	Molecular adapter required for the movement of immune cells, such as mast cells, neutrophils and T-cells, to sites of inflammation or infection (By similarity). Acts as a regulator of antifungal immunity in macrophages by

	acting as a molecular adapter between ATAT1 and alpha-tubulin, promoting alpha-tubulin acetylation and antifungal immune response (PubMed:34301894). Also acts as a positive regulator of cGAS-STING signaling by promoting plasma membrane localization of CGAS: following phosphorylation by SYK, acts as an molecular adapter by recruiting KAT2A to CGAS at the plasma membrane, leading to CGAS acetylation and activation (PubMed:39694035).
Cellular Location	Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.