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PTAR1 Rabbit pAb

Catalog # AP99027

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q7Z6K3
Other Accession	Q7Z6K3
Reactivity	Rat
Predicted	Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46405
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PTAR1
Epitope Specificity	301-402/402
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Lipidation catalyzed by protein prenyltransferases is essential for the biological function of a number of eukaryotic proteins, many of which are involved in signal transduction and vesicular traffic regulation.

Additional Information

Gene ID	375743
Other Names	PTAR1_HUMAN; PTAR1; protein prenyltransferase alpha subunit repeat containing 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	PTAR1
Function	Substrate-recognition subunit of the geranylgeranyl transferase type 3 (GGTase-3) complex (PubMed:31209342, PubMed:32128853). The GGTase-3 complex geranylgeranylates and targets FBXL2 to the cellular membranes, where FBXL2 forms part of the E3 ubiquitin-protein ligase complex SCF(FBXL2)

that mediates the degradation of membrane-anchored proteins (PubMed:31209342, PubMed:32128853). The GGTase-3 complex geranylgeranylates Golgi v-SNARE protein YKT6 at 'Cys-194' and this prenylation is required for Golgi SNARE complex assembly (PubMed:32128853).

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