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TRIM38 Rabbit pAb

Catalog # AP99927

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O00635
Other Accession	O00635
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53416
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TRIM38
Epitope Specificity	121-220/465
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 B box-type zinc finger.Contains 1 B30.2/SPRY domain.Contains 1 RING-type zinc finger.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	RORET, also known as RING finger protein 15 (RNF15) or zinc finger protein RoRet, is a 465 amino acid member of the TRIM family, also known as the RING-B-box coiled-coil (RBCC) family. Members of the RBCC family have an N-terminal RING finger, followed by one or two zinc-binding domains (B-box domains), a leucine coiled-coil region and a variable C-terminal domain. Found in all eukaryotes, members of the RBCC family typically function within a larger protein complex and possess ubiquitin-protein isopeptide ligase activity. The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The function of this protein has not been identified.

Additional Information

Gene ID	10475
Other Names	RNF15; RORET; TRI38_HUMAN; TRIM38; RING finger protein 15; Tripartite motif-containing protein 38; Zinc finger protein RoRet; 2.3.2.27; tripartite motif containing 38; tripartite motif-containing 38
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	TRIM38 {ECO:0000303|PubMed:23056470, ECO:0000312|HGNC:HGNC:10059}
Function	E3 ubiquitin-protein and E3 SUMO-protein ligase that acts as a regulator of innate immunity (PubMed:23056470). Acts as a negative regulator of type I interferon IFN-beta production by catalyzing 'Lys- 48'-linked polyubiquitination of AZI2/NAP1, leading to its degradation (By similarity). Mediates 'Lys-48'-linked polyubiquitination and proteasomal degradation of the critical TLR adapter TICAM1, inhibiting TLR3-mediated type I interferon signaling (PubMed:23056470). Acts as positive regulator of the cGAS-STING pathway by acting as a E3 SUMO- protein ligase: mediates sumoylation of CGAS and STING, preventing their degradation and thereby activating the innate immune response to DNA virus (By similarity). Also acts as a negative regulator of NF- kappa-B signaling independently of its E3 protein ligase activity by promoting lysosome-dependent degradation of TAB2 and TAB3 adapters (PubMed:24434549).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q5SZ99}.
Tissue Location	Ubiquitous..

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