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RNF9 Rabbit pAb

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Catalog # AP59249

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9UDY6
Predicted	Rat, Pig, Chimpanzee, Human, Mouse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55037
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TRIM10/RNF9
Epitope Specificity	201-300/481
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasmic
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	TRIM10 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. This protein localizes to cytoplasmic bodies. Studies in mice suggest that this protein plays a role in terminal differentiation of erythroid cells.

Additional Information

Gene ID	10107
Other Names	Tripartite motif-containing protein 10, B30-RING finger protein, RING finger protein 9, TRIM10, RFB30, RNF9
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=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	TRIM10

Synonyms	RFB30, RNF9
Function	E3 ubiquitin-protein ligase that plays an essential role in the differentiation and survival of terminal erythroid cells (By similarity). May directly bind to PTEN and promote its ubiquitination, resulting in its proteasomal degradation and activation of hypertrophic signaling (By similarity). Acts as a positive regulator of cGAS-STING signaling by mediating 'Lys-27'- and 'Lys-29'-linked polyubiquitination of STING1, promoting STING1 activation (PubMed:36972172). In addition, plays a role in immune response regulation by repressing the phosphorylation of STAT1 and STAT2 in the interferon/JAK/STAT signaling pathway independent of its E3 ligase activity (PubMed:33811647). Mechanistically, interacts with the intracellular domain of IFNAR1 and thereby inhibits the association between TYK2 and IFNAR1 (PubMed:33811647).
Cellular Location	Cytoplasm

Background

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