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TRIM35 Rabbit pAb

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Catalog # AP59160

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9UPQ4
Reactivity	Rat, Pig, Mouse, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56540
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TRIM35
Epitope Specificity	9-100/492
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	Cytoplasm. Nucleus. Found predominantly in cytoplasm with a granular distribution. Found in punctuate nuclear bodies.
SIMILARITY	Belongs to the TRIM/RBCC family. 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	TRIM35 is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1, a B-box type 2 and a coiled-coil region. TRIM35 may play a role as a tumor suppressor and is implicated in the cell death mechanism. There are two named isoforms.

Additional Information

Gene ID	23087
Other Names	E3 ubiquitin-protein ligase TRIM35, 2.3.2.27, Hemopoietic lineage switch protein 5, TRIM35, HLS5, KIAA1098
Dilution	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	TRIM35

Synonyms	HLS5, KIAA1098
Function	E3 ubiquitin-protein ligase that participates in multiple biological processes including cell death, glucose metabolism, and in particular, the innate immune response. Mediates 'Lys-63'-linked polyubiquitination of TRAF3 thereby promoting type I interferon production via RIG-I signaling pathway (PubMed:32562145). Can also catalyze 'Lys-48'-linked polyubiquitination and proteasomal degradation of viral proteins such as influenza virus PB2 (PubMed:32562145). Acts as a negative feedback regulator of TLR7- and TLR9-triggered signaling. Mechanistically, promotes the 'Lys-48'-linked ubiquitination of IRF7 and induces its degradation via a proteasome-dependent pathway (PubMed:25907537). Reduces FGFR1-dependent tyrosine phosphorylation of PKM, inhibiting PKM-dependent lactate production, glucose metabolism, and cell growth (PubMed:25263439).
Cellular Location	Cytoplasm. Nucleus. Note=Found predominantly in cytoplasm with a granular distribution. Found in punctuate nuclear bodies (By similarity)

Background

TRIM35 is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1, a B-box type 2 and a coiled-coil region. TRIM35 may play a role as a tumor suppressor and is implicated in the cell death mechanism. There are two named isoforms.