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Anti-TRIM38 Antibody

Rabbit polyclonal antibody to TRIM38
Catalog # AP60412

Product Information

Application	WB
Primary Accession	O00635
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53416

Additional Information

Gene ID	10475
Other Names	RNF15; RORET; Tripartite motif-containing protein 38; RING finger protein 15; Zinc finger protein RoRet
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TRIM38. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

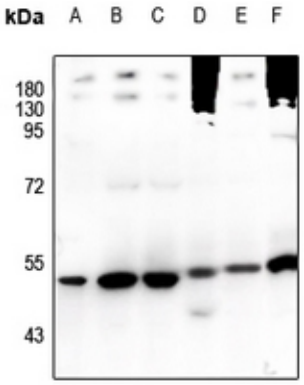
Name	TRIM38 {ECO:0000303|PubMed:23056470, ECO:0000312|HGNC:HGNC:10059}
Function	E3 ubiquitin-protein and E3 SUMO-protein ligase that acts as a regulator of innate immunity (PubMed:23056470). Acts as a negative regulator of type I interferon IFN-beta production by catalyzing 'Lys- 48'-linked polyubiquitination 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..

Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TRIM38. The exact sequence is proprietary.

Images



Western blot analysis of TRIM38 expression in SGC7901 (A), HEK293T (B), A549 (C), mouse embryo (D), rat stomach (E), H9C2 (F) whole cell lysates.