

Rabbit anti-Human TRIM48 Polyclonal Antibody | anti-TRIM48 antibody

TRIM48 Antibody (N-term)

CATALOG # AAA288670	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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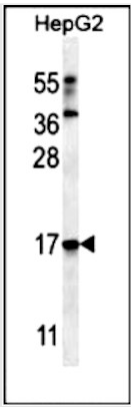
PRODUCT SYNONYMS

TRIM48; Polyclonal Antibody; TRIM48 Antibody (N-term); Tripartite motif-containing protein 48; RING finger protein 101; RNF101; anti-TRIM48 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	This TRIM48 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-71 amino acids from the N-terminal region of human TRIM48.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	42-71
Sequence Length	224
Applicable Applications for anti-TRIM48 antibody	ELISA, WB (Western Blot)
Cellular Location	Cytoplasm, cytosol.
Function	E3 ubiquitin-protein ligase which promotes K48-linked polyubiquitination of protein methyltransferase PRMT1, leading to PRMT1 degradation (PubMed:29186683). This suppresses methylation of the PRMT1 substrate MAP3K5/ASK1, promoting its activation and increasing MAP3K5- dependent cell death induced by oxidative stress (PubMed:29186683). TRIM48-mediated ubiquitination of PRMT1 also suppresses methylation of FOXO1 by PRMT1, leading to inhibition of FOXO1 transcriptional activity (PubMed:29186683).
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
TRIM48 Antibody (N-term) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the TRIM48 antibody detected the TRIM48 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TRIM48 antibody	TRIM48 belongs to the TRIM/RBCC family. It contains one B box-type zinc finger, one B30.2/SPRY domain and one RING-type zinc finger. There are two named isoforms.
References	Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	201862060
NCBI GeneID	79097
NCBI Accession #	NP_077019.2
NCBI GenBank Nucleotide #	NM_024114.3
UniProt Accession #	Q8IWZ4; Q9BUW4
Molecular Weight	Calculated MW: 26409
NCBI Official Full Name	tripartite motif-containing protein 48
NCBI Official Synonym Full Names	tripartite motif containing 48
NCBI Official Symbol	TRIM48
NCBI Official Synonym Symbols	RNF101
NCBI Protein Information	tripartite motif-containing protein 48
UniProt Protein Name	Tripartite motif-containing protein 48
UniProt Gene Name	TRIM48
UniProt Synonym Gene Names	RNF101
UniProt Entry Name	TRI48_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.