

Datasheet for ABIN6149513
anti-TRIM25 antibody (AA 100-400)



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4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	TRIM25
Binding Specificity:	AA 100-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRIM25 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 100-400 of human TRIM25 (NP_005073.2).
Sequence:	SPNAQVACDH CLKEAAVKTC LVCMAFQCQE HLQPHFDSPA FQDHPLQPPV RDLLRRKCSQ HNRLREFFCP EHSECICHIC LVEHKTCSPA SLSQASADLE ATRLRHKLTVM YSQINGASRA LDDVRNRQQD VRMTANRKVE QLQQEYTEMK ALLDASETTS TRKIKEEEKR VNSKFDTIYQ ILLKKKSEIQ TLKEEIEQSL TKRDEFEFLE KASKLRGIST KPVYIPEVEL NHKLIKGIHQ STIDLKNELK QCIGRLQEPT PSSGDPGEHD PASTHKSTRP VKKVSKEEKK SKKPPVPAL P
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	TRIM25
Alternative Name:	TRIM25 (TRIM25 Products)
Background:	<p>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 protein localizes to the cytoplasm. The presence of potential DNA-binding and dimerization-transactivation domains suggests that this protein may act as a transcription factor, similar to several other members of the TRIM family. Expression of the gene is upregulated in response to estrogen, and it is thought to mediate estrogen actions in breast cancer as a primary response gene.,TRIM25,EFP,RNF147,Z147,ZNF147,Epigenetics & Nuclear Signaling,RNA Binding,Signal Transduction,Cell Biology & Developmental Biology,Growth factor,Ubiquitin,TRIM25</p>
Molecular Weight:	70 kDa
Gene ID:	7706
UniProt:	Q14258

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

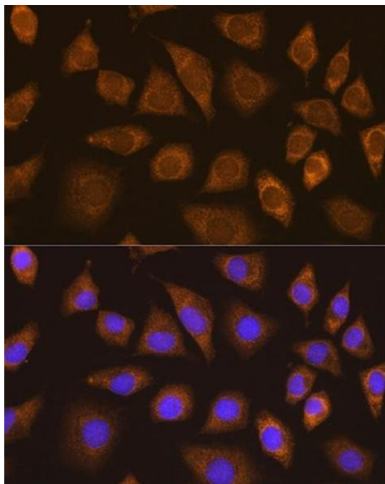
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Product cited in:

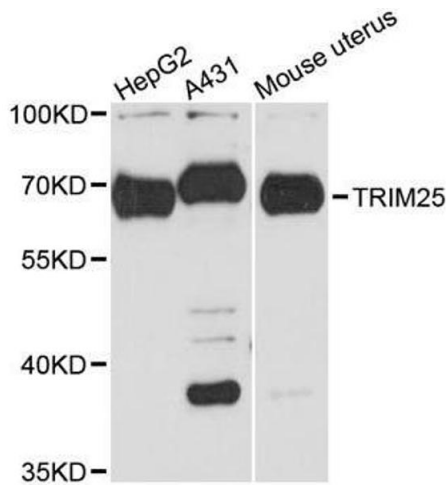
Lian, Zang, Wei, Ye, Hu, Chen, Zhang, Guo, Lei, Yang, Luo, Li, Shu: "The Zinc-Finger Protein ZCCHC3 Binds RNA and Facilitates Viral RNA Sensing and Activation of the RIG-I-like Receptors." in: **Immunity**, Vol. 49, Issue 3, pp. 438-448.e5, (2018) ([PubMed](#)).

Images



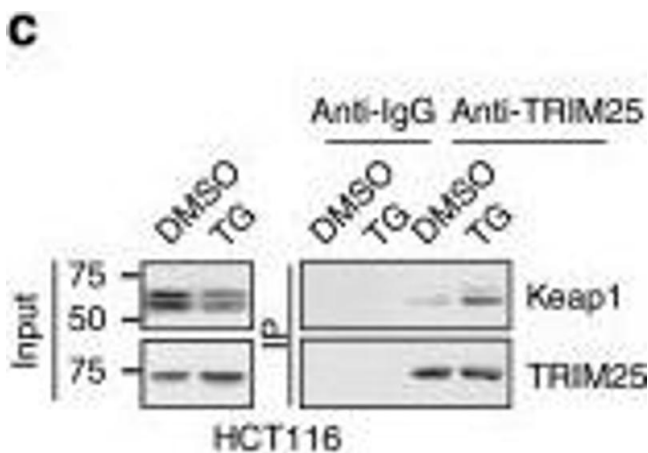
Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using TRIM25 Rabbit pAb at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using TRIM25 antibody.



Western Blotting

Image 3. TRIM25 interacts and ubiquitinates Keap1.a Identification potential substrates of TRIM25 related to ER stress by liquid chromatography-tandem mass spectrometry. b The Keap1 peptides identified through mass spectrometry are shown. c, d Co-immunoprecipitation (co-IP) assay analyzes the interaction of endogenous TRIM25 and Keap1 in HCT116 (c) and Huh7 (d) cells, treated with or without TG (1µM) for 12h. e In vitro GST

pulldown assay analysis of the interaction of TRIM25 (F-TRIM25). Asterisks indicate the coomassie blue staining of GST and GST-Keap1. f, g HCT116 cells infected with shRNA lentivirus as indicated with treatment of TG (1 μ M) for 6h and then treated with CHX. Representative western blot (f) and the corresponding quantified graph (g) are shown. h, i Western blot analysis the level of Keap1 in HCT116 cells treated with or without TG (1 μ M) for 12h (h), and the above cells treated with TG (1 μ M) simultaneously with MG132 (4 μ M) or CQ (50 μ M) for 12h (i). j The RING zinc-finger (R), B-Box, coiled-coil (CC) and PRY/SPRY (PS) domain of TRIM25 are indicated. k Huh7 cells overexpressing full-length and TRIM25 truncates were immunoprecipitated with the indicated antibody. l TRIM25 and its mutant (TRIM25-2EA), the conserved Glu9 and Glu10 were mutated to Ala. m, n HCT116 cells overexpressing the indicated constructs with treatment of TG (1 μ M) for 6h. Representative western blot (m) and the corresponding quantified graph (n) are shown. o HCT116 cells transfected with the plasmids as indicated and treated with TG (1 μ M) for 12h. Immunoblot analysis of the cell lysates and Keap1-IP with the indicated antibodies. p The broad-complex, tramtrack and bric a brac (BTB) domain, intervening region (IVR) and the double glycine repeat (DGR) or Kelch repeat of KEAP1 were indicated. q, r Huh7 cells were transfected with the indicated plasmids. Immunoblot analysis of the HA-IP and cell lysates (q), and the ubiquitination of wide-type and Keap1 mutations with the indicated antibodies (r). For g and n, data represent the mean \pm SEM (n=3). Statistical significance was assessed using two-tailed Student's t-tests. n.s. not significant. - figure provided by CiteAb. Source: PMID31953436

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6149513.