

TRIM45 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56381**Specification****TRIM45 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9H8W5
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TRIM45
Epitope Specificity	101-200/580
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.
SIMILARITY	Belongs to the TRIM/RBCC family. Contains 2 B box-type zinc fingers. Contains 1 filamin repeat. 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

This gene encodes a member of the tripartite motif family. The encoded protein may function as a transcriptional repressor of the mitogen-activated protein kinase pathway. Alternatively spliced transcript variants have been described.[provided by RefSeq, Mar 2009]

TRIM45 Polyclonal Antibody - Additional Information**Gene ID** 80263**Other Names**

Tripartite motif-containing protein 45, RING finger protein 99, TRIM45, RNF99

Target/Specificity

Expressed in skeletal muscle, brain, heart and pancreas.

Dilution

dilution_WB WB ~ 1:1000
dilution_IHC-P IHC-P ~ N/A
dilution_IHC-F IHC-F ~ N/A

=IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

TRIM45 Polyclonal Antibody - Protein Information

Name TRIM45

Synonyms RNF99

Function

E3 ubiquitin-protein ligase that plays a role in the regulation of inflammatory response (PubMed:36681779). Mechanistically, mediates the 'Lys-48'-linked polyubiquitination of TAB2, a regulatory protein of the kinase TAK1, leading to its degradation via the proteasomal pathway and inhibition of the TLR-mediated inflammatory immune response (PubMed:36681779). May act as a transcriptional repressor in mitogen-activated protein kinase signaling pathway.

Cellular Location

Cytoplasm. Nucleus

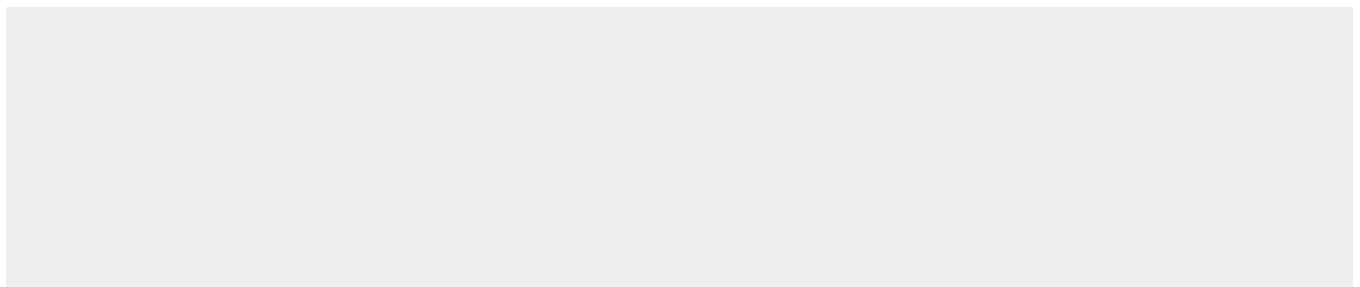
Tissue Location

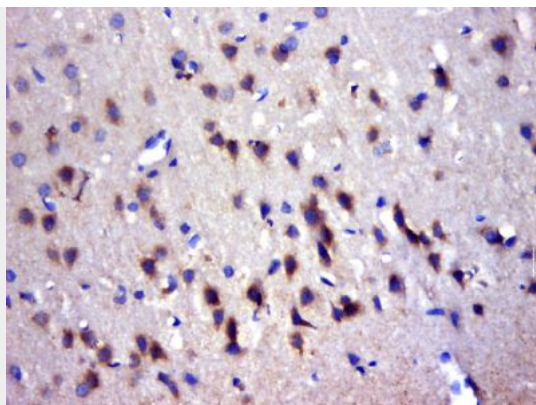
Expressed in skeletal muscle, brain, heart and pancreas.

TRIM45 Polyclonal Antibody - Protocols

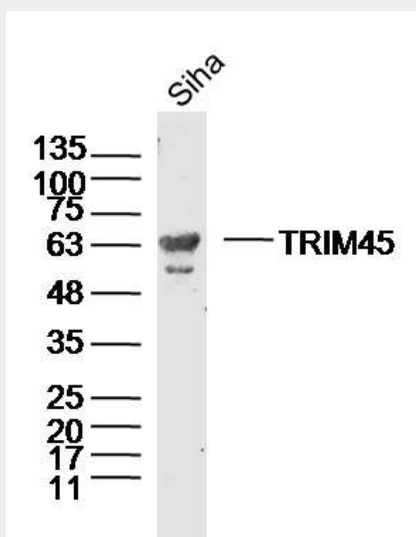
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TRIM45 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TRIM45) Polyclonal Antibody, Unconjugated (bs-16739R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Sample: Siha Cell (Human) Lysate at 30 ug
Primary: Anti-TRIM45 (bs-16739R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 64kD
Observed band size: 64kD