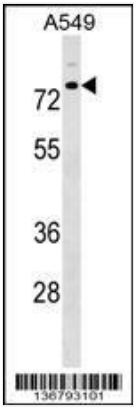
TRIM16 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRIM16, Polyclonal Antibody
Full Product Name	TRIM16, NT (TRIM16, EBBP, Tripartite motif-containing protein 16, Estrogen-responsive B box protein) (Azide free) (HRP)
Product Gene Name	anti-TRIM16 antibody
Product Synonym Names	TRIM16; EBBP; Tripartite motif-containing protein 16; Estrogen-responsive B box protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	63,955 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (15531280..15586193, complement). Location: 17p11.2
OMIM	609505
3D Structure	ModBase 3D Structure for O95361
Immunogen	TRIM16 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-67 amino acids from the N-terminal region of human TRIM16.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-TRIM16 antibody	Antibodies; Transcription Factors; TRIM (Tripartite Motif)
Applications Tested/Suitable for anti-TRIM16 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-TRIM16 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TRIM16 antibody	This gene was identified as an estrogen and anti-estrogen regulated gene in epithelial cells stably expressing estrogen receptor. The protein encoded by this gene contains two B box domains and a coiled-coiled region that are characteristic of the B box zinc finger protein family. The proteins of this family have been reported to be involved in a variety of biological processes including cell growth, differentiation and pathogenesis. Expression of this gene was detected in most tissues. Its function, however, has not yet been determined.
Product References and Citations for anti-TRIM16 antibody	Raif, A., et al. Cancer Lett. 277(1):82-90(2009). Olsen, J.V., et al. Cell 127(3):635-648(2006). Munding, C., et al. Cell Death Differ. 13(11):1938-1949(2006). Cheung, B.B., et al. J. Biol. Chem. 281(26):18246-18256(2006). Gwinn, M.R., et al. Environ. Health Perspect. 113(8):1046-1051(2005).

Other Notes	Small volumes of anti-TRIM16 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TRIM16 purchase	MBS6358169 is an antibody targeting TRIM16. Also known as TRIM16, NT (TRIM16, EBBP, Tripartite motif-containing protein 16, Estrogen-responsive B box protein) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TRIM16 antibody
TRIM16 Antibody (N-term) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the TRIM16 antibody detected the TRIM16 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRIM16. It may not necessarily be applicable to this product.

NCBI GI #	48255913
NCBI GeneID	10626
NCBI Accession #	NP_006461.3
UniProt Primary Accession #	O95361
UniProt Secondary Accession #	Q6IAL8; Q7Z6I2; Q96BE8; Q96J43
UniProt Related Accession #	O95361
GenBank Nucleotide #	NM_006470.3
NCBI Official Full Name	tripartite motif-containing protein 16
NCBI Official Synonym Full Names	tripartite motif containing 16
NCBI Official Symbol	TRIM16
NCBI Official Synonym Symbols	EBBP
UniProt Protein Name	Tripartite motif-containing protein 16
UniProt Synonym Protein Names	Estrogen-responsive B box protein
Protein Family	Tripartite motif-containing protein
UniProt Gene Name	TRIM16
UniProt Synonym Gene Names	EBBP
UniProt Entry Name	TRI16_HUMAN
NCBI Protein Information	tripartite motif-containing protein 16; tripartite motif-containing 16; estrogen-responsive B box protein

UniProt Comments for TRIM16	TRIM16: May play a role in the regulation of keratinocyte differentiation. Belongs to the TRIM/RBCC family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Unknown function Chromosomal Location of Human Ortholog: 17p11.2 Cellular Component: PML body; cytoplasm Molecular Function: protein binding; NACHT domain binding; DNA binding; zinc ion binding; interleukin-1 binding Biological Process: response to organophosphorus; response to retinoic acid; positive regulation of transcription, DNA-dependent; positive regulation of retinoic acid receptor signaling pathway; positive regulation of interleukin-1 beta secretion; positive regulation of keratinocyte differentiation
Research Articles on TRIM16	**1.** via its unique structure, TRIM16 possesses both heterodimerization function with other TRIM proteins and also has E3 ubiquitin ligase activity.
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