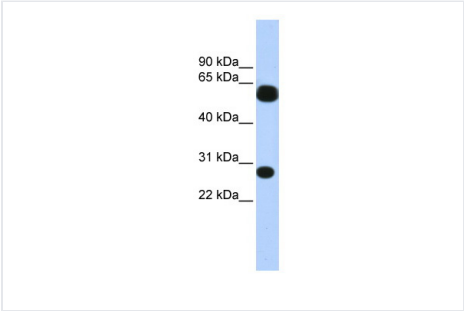
# TRIM16 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | TRIM16, Polyclonal Antibody |
| **Full Product Name** | TRIM16 antibody - N-terminal region |
| **Product Gene Name** | anti-TRIM16 antibody |
| **Product Synonym Gene Name** | EBBP |
| **Immunogen Sequence** | Synthetic peptide located within the following region: SASPVEEEDV GSSEKLGRET EEQDSDSAEQ GDPAGEGKEV LCDFCLDDTR |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Purity/Purification** | Affinity Purified |
| **Preparation and Storage** | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |
| **Antibody/Peptide Pairs** | TRIM16 peptide (MBS3227742) is used for blocking the activity of TRIM16 antibody (MBS3202763) |
| **Molecular Weight** | 64kDa |
| **OMIM** | 609505 |
| **3D Structure** | ModBase 3D Structure for O95361 |
| **Homology** | Human: 100% |
| **Immunogen** | The immunogen is a synthetic peptide directed towards the N terminal region of human TRIM16 |
| **Product Categories/Family for anti-TRIM16 antibody** | Polyclonal; Transcription Factor; Transcription Regulation; Growth Factors & Hormones; Transcription Regulation; Acetylation; Transcription Factors |
| **Applications Tested/Suitable for anti-TRIM16 antibody** | Western Blot (WB) |
| **Related Product Information for anti-TRIM16 antibody** | This is a rabbit polyclonal antibody against TRIM16. It was validated on Western Blot using a cell lysate as a positive control.<br><br>Target Description: This gene was identified as an estrogen and anti-estrogen regulated gene in epithelial cells stably expressing estrogen receptor. TRIM16 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. Its function, however, has not yet been determined.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. 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. |

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| **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** | MBS3202763 is an antibody targeting TRIM16. Also known as TRIM16 antibody - N-terminal region. Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-TRIM16 antibody**
WB Suggested Anti-TRIM16 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:62500Positive Control: Human brain

## ADDITIONAL DETAILS

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

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| **NCBI GI #** | 48255913 |
| **NCBI GeneID** | 10626 |
| **NCBI Accession #** | NP_006461 |
| **UniProt Primary Accession #** | O95361 |
| **UniProt Related Accession #** | O95361 |
| **GenBank Nucleotide #** | NM_006470 |
| **NCBI Official Full Name** | tripartite motif-containing protein 16 isoform a |
| **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 |
| **NCBI Summary for TRIM16** | The protein encoded by this gene is a tripartite motif (TRIM) family member that contains two B box domains and a coiled-coiled region that are characteristic of the B box zinc finger protein family. While it lacks a RING domain found in other TRIM proteins, the encoded protein can homodimerize or heterodimerize with other TRIM proteins and has E3 ubiquitin ligase activity. This gene is also a tumor suppressor and is involved in secretory autophagy. [provided by RefSeq, Jan 2017] |

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| **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.<br><br>Protein type: Unknown function<br><br>Chromosomal Location of Human Ortholog: 17p11.2<br><br>Cellular Component: PML body; cytoplasm<br><br>Molecular Function: protein binding; NACHT domain binding; DNA binding; zinc ion binding; interleukin-1 binding<br><br>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.** High TRIM16 expression is associated with drug resistance in Non-Small Cell Lung Cancer. |
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