

**TRIM16 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17411a****Specification**

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**TRIM16 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [O95361](#)

**TRIM16 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 10626

**Other Names**

Tripartite motif-containing protein 16, Estrogen-responsive B box protein, TRIM16, EBBP

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TRIM16 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** TRIM16

**Synonyms** EBBP

**Function**

E3 ubiquitin ligase that plays an essential role in the organization of autophagic response and ubiquitination upon lysosomal and phagosomal damages. Plays a role in the stress-induced biogenesis and degradation of protein aggregates by regulating the p62-KEAP1-NRF2 signaling and particularly by modulating the ubiquitination levels and thus stability of NRF2. Acts as a scaffold protein and facilitates autophagic degradation of protein aggregates by interacting with p62/SQSTM1, ATG16L1 and LC3B/MAP1LC3B. In turn, protects the cell against oxidative stress-induced cell death as a consequence of endomembrane damage.

**Cellular Location**

Cytoplasm.

**Tissue Location**

Highest levels found in testis, ovary, small intestine, colon, placenta, heart, skeletal muscle and mammary gland More highly expressed in the fetus than in the corresponding adult tissues. Expressed in basal keratinocytes

### **TRIM16 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **TRIM16 Antibody (N-term) Blocking Peptide - Images**

### **TRIM16 Antibody (N-term) Blocking Peptide - Background**

This gene was identified as an estrogen and anti-estrogenregulated gene in epithelial cells stably expressing estrogenreceptor. The protein encoded by this gene contains two B boxdomains and a coiled-coiled region that are characteristic of the Bbox zinc finger protein family. The proteins of this family havebeen reported to be involved in a variety of biological processesincluding cell growth, differentiation and pathogenesis. Expressionof this gene was detected in most tissues. Its function, however,has not yet been determined.

### **TRIM16 Antibody (N-term) Blocking Peptide - References**

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)