

TRIM48 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13291a**Specification**

TRIM48 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q8IWZ4](#)**TRIM48 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 79097**Other Names**

Tripartite motif-containing protein 48, RING finger protein 101, TRIM48, RNF101

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13291a was selected from the N-term region of TRIM48. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

TRIM48 Antibody (N-term) Blocking peptide - Protein Information**Name** TRIM48 ([HGNC:19021](#))**Function**

E3 ubiquitin-protein ligase which promotes K48-linked polyubiquitination of protein methyltransferase PRMT1, leading to PRMT1 degradation (PubMed:29186683). This suppresses methylation of the PRMT1 substrate MAP3K5/ASK1, promoting its activation and increasing MAP3K5- dependent cell death induced by oxidative stress (PubMed:29186683). TRIM48-mediated ubiquitination of PRMT1 also suppresses methylation of FOXO1 by PRMT1, leading to inhibition of FOXO1 transcriptional activity (PubMed:29186683).

Cellular Location

Cytoplasm, cytosol.

TRIM48 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TRIM48 Antibody (N-term) Blocking peptide - Images**TRIM48 Antibody (N-term) Blocking peptide - Background**

TRIM48 belongs to the TRIM/RBCC family. It contains one B box-type zinc finger, one B30.2/SPRY domain and one RING-type zinc finger. There are two named isoforms.

TRIM48 Antibody (N-term) Blocking peptide - References

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :