10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TRIM48 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP13291a

Specification

TRIM48 Antibody (N-term) Blocking peptide - Product Information

Primary 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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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) :