

TRIM48 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13291A**Specification**

TRIM48 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8IWZ4
Other Accession	NP_077019.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	26409
Antigen Region	42-71

TRIM48 Antibody (N-term) - Additional Information**Gene ID** 79097**Other Names**

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

Target/Specificity

This TRIM48 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-71 amino acids from the N-terminal region of human TRIM48.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TRIM48 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TRIM48 Antibody (N-term) - 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

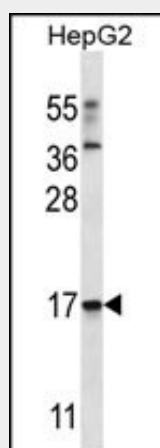
Cytoplasm, cytosol.

TRIM48 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TRIM48 Antibody (N-term) - Images



TRIM48 Antibody (N-term) (Cat. #AP13291a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the TRIM48 antibody detected the TRIM48 protein (arrow).

TRIM48 Antibody (N-term) - 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) - References

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