

TRIM37 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2280a**Specification**

TRIM37 Antibody (C-Term) - Product Information

Application	E
Primary Accession	O94972
Other Accession	NP_056109.1 , 4591
Predicted	Human, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	107906

TRIM37 Antibody (C-Term) - Additional Information**Gene ID** 4591**Other Names**

E3 ubiquitin-protein ligase TRIM37, 6.3.2.-, Mulibrey nanism protein, Tripartite motif-containing protein 37, TRIM37 (HGNC:7523)

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TRIM37 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

TRIM37 Antibody (C-Term) - Protein Information**Name** TRIM37 {ECO:0000303|PubMed:28724525, ECO:0000312|HGNC:HGNC:7523}**Function**

E3 ubiquitin-protein ligase required to prevent centriole reduplication (PubMed:15885686, PubMed:<a

[23769972](http://www.uniprot.org/citations/23769972)). Probably acts by ubiquitinating positive regulators of centriole reduplication (PubMed:[23769972](http://www.uniprot.org/citations/23769972)). Mediates monoubiquitination of 'Lys-119' of histone H2A (H2AK119Ub), a specific tag for epigenetic transcriptional repression: associates with some Polycomb group (PcG) multiprotein PRC2-like complex and mediates repression of target genes (PubMed:[25470042](http://www.uniprot.org/citations/25470042)). Also acts as a positive regulator of peroxisome import by mediating monoubiquitination of PEX5 at 'Lys-472': monoubiquitination promotes PEX5 stabilization by preventing its polyubiquitination and degradation by the proteasome (PubMed:[28724525](http://www.uniprot.org/citations/28724525)). Has anti-HIV activity (PubMed:[24317724](http://www.uniprot.org/citations/24317724)).

Cellular Location

Chromosome. Cytoplasm, perinuclear region. Peroxisome membrane; Peripheral membrane protein. Note=Found in vesicles of the peroxisome. Aggregates as aggresomes, a perinuclear region where certain misfolded or aggregated proteins are sequestered for proteasomal degradation.

Tissue Location

Ubiquitous (PubMed:10888877). Highly expressed in testis, while it is weakly expressed in other tissues (PubMed:16310976).

TRIM37 Antibody (C-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](#)

TRIM37 Antibody (C-Term) - Images

TRIM37 Antibody (C-Term) - Background

Reported variants represent identical protein (NP_056109.1; NP_001005207.1).

TRIM37 Antibody (C-Term) - References

Gene encoding a new RING-B-box-Coiled-coil protein is mutated in mulibrey nanism. Avela K, Lipsanen-Nyman M, Idanheimo N, Seemanova E, Rosengren S, Makela TP, Perheentupa J, Chapelle AD, Lehesjoki AE. Nat Genet. 2000 Jul;25(3):298-301. PMID: 10888877