

TRIM50 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5637b**Specification**

TRIM50 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q86XT4](#)
Other Accession [NP_835226.1](#)

TRIM50 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 135892

Other Names

E3 ubiquitin-protein ligase TRIM50, 632-, Tripartite motif-containing protein 50, TRIM50, TRIM50A

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.

TRIM50 Antibody (C-term) Blocking peptide - Protein Information

Name TRIM50 ([HGNC:19017](#))

Synonyms TRIM50A

Function

E3 ubiquitin-protein ligase that ubiquitinates Beclin-1/BECN1 in a 'Lys-63'-dependent manner enhancing its binding to ULK1 (PubMed:29604308). In turn, promotes starvation-induced autophagy activation. Interacts also with p62/SQSTM1 protein and thereby induces the formation and the autophagy clearance of aggresome-associated polyubiquitinated proteins through HDAC6 interaction (PubMed:22792322). Promotes also NLRP3 inflammasome activation by directly inducing NLRP3 oligomerization independent of its E3 ligase function (By similarity).

Cellular Location

Cytoplasm Note=Localizes mainly into discrete cytoplasmic punctuate structures heterogeneous in size and shape containing polyubiquitinated proteins

TRIM50 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TRIM50 Antibody (C-term) Blocking peptide - Images**TRIM50 Antibody (C-term) Blocking peptide - Background**

TRIM50 belongs to the TRIM/RBCC family. It contains 1 B box-type zinc finger, 1 B30.2/SPRY domain and 1 RING-type zinc finger. TRIM50 is an E3 ubiquitin-protein ligase.

TRIM50 Antibody (C-term) Blocking peptide - References

Micale, L., et al. Eur. J. Hum. Genet. 16(9):1038-1049(2008)