

ZRANB1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9830b**Specification**

ZRANB1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9UGI0](#)**ZRANB1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 54764**Other Names**

Ubiquitin thioesterase ZRANB1, TRAF-binding domain-containing protein, hTrabid, Zinc finger Ran-binding domain-containing protein 1, ZRANB1, TRABID

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.

ZRANB1 Antibody (C-term) Blocking Peptide - Protein Information**Name** ZRANB1 {ECO:0000303|PubMed:21834987, ECO:0000312|HGNC:HGNC:18224}**Function**

Ubiquitin thioesterase, which specifically hydrolyzes 'Lys- 29'-linked and 'Lys-33'-linked diubiquitin (PubMed:22157957, PubMed:23827681, PubMed:25752573, PubMed:25752577). Also cleaves 'Lys- 63'-linked chains, but with 40-fold less efficiency compared to 'Lys- 29'-linked ones (PubMed:18281465). Positive regulator of the Wnt signaling pathway that deubiquitinates APC protein, a negative regulator of Wnt-mediated transcription (PubMed:18281465). Acts as a regulator of autophagy by mediating deubiquitination of PIK3C3/VPS34, thereby promoting autophagosome maturation (PubMed:33637724). Plays a role in the regulation of cell morphology and cytoskeletal organization (PubMed:21834987). Required in the stress fiber dynamics and cell migration (PubMed:21834987).

Cellular Location

Cytoplasm. Nucleus. Note=Enriched in punctate localization in the cytoplasm.

Tissue Location

Widely expressed..

ZRANB1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ZRANB1 Antibody (C-term) Blocking Peptide - Images**ZRANB1 Antibody (C-term) Blocking Peptide - Background**

ZRANB1 is a positive regulator of the Wnt signaling pathway that specifically cleaves 'Lys-63'-linked ubiquitin chains. It acts by deubiquitinating APC protein, a negative regulator of Wnt-mediated transcription and may also modulate TNF-alpha signaling.

ZRANB1 Antibody (C-term) Blocking Peptide - References

Tran, H., et al. Genes Dev. 22(4):528-542(2008)Evans, P.C., et al. Biochem. J. 357 (PT 3), 617-623 (2001)