

VCIP1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16265a**Specification**

VCIP1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q96JH7](#)**VCIP1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 80124**Other Names**

Deubiquitinating protein VCIP135, Valosin-containing protein p97/p47 complex-interacting protein 1, Valosin-containing protein p97/p47 complex-interacting protein p135, VCP/p47 complex-interacting 135-kDa protein, VCPI1, KIAA1850, VCIP135

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.

VCIP1 Antibody (N-term) Blocking Peptide - Protein Information**Name** VCPI1 {ECO:0000303|PubMed:32649882, ECO:0000312|HGNC:HGNC:30897}**Function**

Deubiquitinating enzyme involved in DNA repair and reassembly of the Golgi apparatus and the endoplasmic reticulum following mitosis (PubMed:32649882). Necessary for VCP-mediated reassembly of Golgi stacks after mitosis (By similarity). Plays a role in VCP-mediated formation of transitional endoplasmic reticulum (tER) (By similarity). Mediates dissociation of the ternary complex containing STX5A, NSFL1C and VCP (By similarity). Also involved in DNA repair following phosphorylation by ATM or ATR: acts by catalyzing deubiquitination of SPRTN, thereby promoting SPRTN recruitment to chromatin and subsequent proteolytic cleavage of covalent DNA-protein cross-links (DPCs) (PubMed:32649882). Hydrolyzes 'Lys-11'- and 'Lys-48'-linked polyubiquitin chains (PubMed:23827681).

Cellular Location

Nucleus. Cytoplasm. Endoplasmic reticulum {ECO:0000250|UniProtKB:Q8CF97}. Golgi apparatus, Golgi stack {ECO:0000250|UniProtKB:Q8CF97}. Note=Associated with Golgi stacks and

endoplasmic reticulum (By similarity). Displays cytoplasmic to nuclear translocation in response to DNA-protein cross-links (DPCs)-inducing agents (PubMed:32649882).
{ECO:0000250|UniProtKB:Q8CF97, ECO:0000269|PubMed:32649882}

VCIP1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

VCIP1 Antibody (N-term) Blocking Peptide - Images

VCIP1 Antibody (N-term) Blocking Peptide - Background

VCIP1 acts as a deubiquitinating enzyme. Necessary for VCP-mediated reassembly of Golgi stacks after mitosis. May play a role in VCP-mediated formation of transitional endoplasmic reticulum (tER). Mediates dissociation of the ternary complex containing STX5A, NSFL1C and VCP (By similarity).

VCIP1 Antibody (N-term) Blocking Peptide - References

Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)Wang, Y., et al. J. Cell Biol. 164(7):973-978(2004)Ficarro, S., et al. J. Biol. Chem. 278(13):11579-11589(2003)Uchiyama, K., et al. J. Cell Biol. 159(5):855-866(2002)