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VCIP1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16265a

Specification

VCIP1 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q96JH7
Other Accession	Q8CF97, Q8CDG3, NP_079330.2
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**134321**
Antigen Region	**124-151**

VCIP1 Antibody (N-term) - 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, VCPIP1, KIAA1850, VCIP135

Target/Specificity
This VCIP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 124-151 amino acids from the N-terminal region of human VCIP1.

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
VCIP1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

VCIP1 Antibody (N-term) - Protein Information

Name VCPIP1 {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).

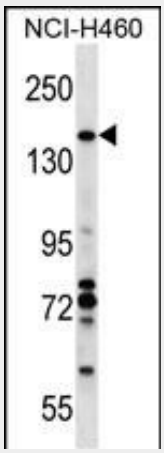
Cellular Location
Nucleus. Cytoplasm. Endoplasmic reticulum {ECO:0000250|UniProtKB:Q8CF97}. Golgi apparatus, Golgi stack {ECO:0000250|UniProtKB:Q8CF97}. Note=Associated with Golgi stacks and endoplasmic reticulum (By similarity). Displays cytoplasmic to nuclear translocation in response to DNA-protein cross-links (DPCs)-inducing agents (PubMed:32649882). {ECO:0000250|UniProtKB:Q8CF97, ECO:0000269|PubMed:32649882}

VCIP1 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

VCIP1 Antibody (N-term) - Images



VCIP1 Antibody (N-term) (Cat. #AP16265a) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the VCIP1 antibody detected the VCIP1 protein (arrow).

VCIP1 Antibody (N-term) - 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) - References

Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)
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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)