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SENP8 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP1259a

Specification

SENP8 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession	Q96LD8

SENP8 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 123228

Other Names
Sentrin-specific protease 8, Deneddylase-1, NEDD8-specific protease 1, Protease, cysteine 2, Sentrin/SUMO-specific protease SENP8, SENP8, DEN1, NEDP1, PRSC2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1259a was selected from the N-term region of human SENP8. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

SENP8 Antibody (N-term) Blocking Peptide - Protein Information

Name SENP8

Synonyms DEN1, NEDP1, PRSC2

Function
Protease that catalyzes two essential functions in the NEDD8 pathway: processing of full-length NEDD8 to its mature form and deconjugation of NEDD8 from targeted proteins such as cullins or p53.

Tissue Location
Broadly expressed, with highest levels in kidney and pancreas.

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SENP8 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SENP8 Antibody (N-term) Blocking Peptide - Images

SENP8 Antibody (N-term) Blocking Peptide - Background

NEDD8 is a ubiquitin-like protein that becomes conjugated to the cullin subunit of several ubiquitin ligases. This conjugation, called neddylation, is required for optimal ubiquitin ligase activity. SENP8 is a protease that catalyzes two essential functions in the NEDD8 pathway: processing of full-length NEDD8 to its mature form and deconjugation of NEDD8 from targeted proteins such as cullins or p53.

SENP8 Antibody (N-term) Blocking Peptide - References

Wu, K., et al., J. Biol. Chem. 278(31):28882-28891 (2003).Gan-Erdene, T., et al., J. Biol. Chem. 278(31):28892-28900 (2003).Mendoza, H.M., et al., J. Biol. Chem. 278(28):25637-25643 (2003).