

SEN5 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14400b**Specification**

SEN5 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96HI0](#)**SEN5 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 205564**Other Names**

Sentrin-specific protease 5, Sentrin/SUMO-specific protease SENP5, SENP5

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.

SEN5 Antibody (C-term) Blocking Peptide - Protein Information**Name** SENP5**Function**

Protease that catalyzes two essential functions in the SUMO pathway: processing of full-length SUMO3 to its mature form and deconjugation of SUMO2 and SUMO3 from targeted proteins. Has weak proteolytic activity against full-length SUMO1 or SUMO1 conjugates. Required for cell division.

Cellular Location

Nucleus, nucleolus

SEN5 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SEN5 Antibody (C-term) Blocking Peptide - Images**SEN5 Antibody (C-term) Blocking Peptide - Background**

The reversible posttranslational modification of proteins by the addition of small ubiquitin-like SUMO proteins (see SUMO1; MIM 601912) is required for numerous biologic processes. SUMO-specific proteases, such as SENP5, are responsible for the initial processing of SUMO precursors to generate a C-terminal diglycine motif required for the conjugation reaction. They also have isopeptidase activity for the removal of SUMO from high molecular mass SUMO conjugates (Di Bacco et al., 2006 [PubMed 16738315]).

SENP5 Antibody (C-term) Blocking Peptide - References

Yun, C., et al. J. Cell Biol. 183(4):589-595(2008) Ding, X., et al. Oncol. Rep. 20(5):1041-1045(2008) Gong, L., et al. J. Biol. Chem. 281(23):15869-15877(2006) Di Bacco, A., et al. Mol. Cell. Biol. 26(12):4489-4498(2006) Yeh, E.T., et al. Gene 248 (1-2), 1-14 (2000) :