

NAP1L1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP1920b**Specification**

NAP1L1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P55209](#)**NAP1L1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 4673**Other Names**

Nucleosome assembly protein 1-like 1, NAP-1-related protein, hNRP, NAP1L1, NRP

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1920b](/product/products/AP1920b) was selected from the N-term region of human NAP1L1. 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.

NAP1L1 Antibody (N-term) Blocking Peptide - Protein Information**Name** NAP1L1**Synonyms** NRP**Function**

Histone chaperone that plays a role in the nuclear import of H2A-H2B and nucleosome assembly (PubMed: [20002496](http://www.uniprot.org/citations/20002496), PubMed: [21211722](http://www.uniprot.org/citations/21211722), PubMed: [26841755](http://www.uniprot.org/citations/26841755)). Also participates in several important DNA repair mechanisms: greatly enhances ERCC6-mediated chromatin remodeling which is essential for transcription-coupled nucleotide excision DNA repair (PubMed: [28369616](http://www.uniprot.org/citations/28369616)). Also stimulates homologous recombination (HR) by RAD51 and RAD54 which is essential in mitotic DNA double strand break (DSB) repair (PubMed: [24798879](http://www.uniprot.org/citations/24798879)). Plays a key

role in the regulation of embryonic neurogenesis (By similarity). Promotes the proliferation of neural progenitors and inhibits neuronal differentiation during cortical development (By similarity). Regulates neurogenesis via the modulation of RASSF10; regulates RASSF10 expression by promoting SETD1A-mediated H3K4 methylation at the RASSF10 promoter (By similarity).

Cellular Location

Nucleus. Melanosome. Cytoplasm. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

Tissue Location

Ubiquitously expressed.

NAP1L1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NAP1L1 Antibody (N-term) Blocking Peptide - Images**NAP1L1 Antibody (N-term) Blocking Peptide - Background**

NAP1L1 is a member of the nucleosome assembly protein (NAP) family. This protein participates in DNA replication and may play a role in modulating chromatin formation and contribute to the regulation of cell proliferation.

NAP1L1 Antibody (N-term) Blocking Peptide - References

Rehtanz, M., et al., Mol. Cell. Biol. 24(5):2153-2168 (2004). Simon, H.U., et al., Biochem. J. 297 (PT 2), 389-397 (1994) (): ().