

NUBP1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18935c**Specification**

NUBP1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P53384](#)**NUBP1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 4682**Other Names**

Cytosolic Fe-S cluster assembly factor NUBP1 {ECO:0000255|HAMAP-Rule:MF_03038},
Nucleotide-binding protein 1 {ECO:0000255|HAMAP-Rule:MF_03038}, NBP 1
{ECO:0000255|HAMAP-Rule:MF_03038}, NUBP1 {ECO:0000255|HAMAP-Rule:MF_03038}, NBP,
NBP1

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.

NUBP1 Antibody (Center) Blocking Peptide - Protein Information**Name** NUBP1 {ECO:0000255|HAMAP-Rule:MF_03038}**Synonyms** NBP, NBP1**Function**

Component of the cytosolic iron-sulfur (Fe/S) protein assembly (CIA) machinery (PubMed:18573874). Required for maturation of extramitochondrial Fe-S proteins (PubMed:18573874). The NUBP1-NUBP2 heterotetramer forms a Fe-S scaffold complex, mediating the de novo assembly of an Fe-S cluster and its transfer to target apoproteins (PubMed:18573874). Implicated in the regulation of centrosome duplication (By similarity). Negatively regulates cilium formation and structure (By similarity).

Cellular Location

Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03038, ECO:0000269|PubMed:18573874, ECO:0000269|PubMed:29848660}. Nucleus {ECO:0000250|UniProtKB:Q9R060}. Cell projection

{ECO:0000250|UniProtKB:Q9R060}. Cytoplasm, cytoskeleton, cilium axoneme
{ECO:0000250|UniProtKB:Q9R060}. Cytoplasm, cytoskeleton, cilium basal body
{ECO:0000250|UniProtKB:Q9R060}. Cytoplasm, cytoskeleton, microtubule organizing center
{ECO:0000250|UniProtKB:Q9R060} Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole {ECO:0000250|UniProtKB:Q9R060}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Enriched in centrioles of microtubule asters during prophase, prometaphase and telophase stages of mitosis. Localized at centrioles and in the nucleus at interphase. Colocalizes with nubp-2 at prometaphase. Specifically localizes to the axoneme of motile cilia as opposed to primary non- motile cilia. Localization is independent of NUBP2 and KIFC1 {ECO:0000250|UniProtKB:Q9R060}

NUBP1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NUBP1 Antibody (Center) Blocking Peptide - Images

NUBP1 Antibody (Center) Blocking Peptide - Background

NUBP1 is a member of the NUBP/MRP subfamily of ATP-binding proteins (Nakashima et al., 1999 [PubMed 10486206]).[supplied by OMIM].

NUBP1 Antibody (Center) Blocking Peptide - References

Hosgood, H.D. III, et al. Respir Med 103(12):1866-1870(2009) Shen, M., et al. Environ. Mol. Mutagen. 50(4):285-290(2009) Hosgood, H.D. III, et al. Carcinogenesis 29(10):1938-1943(2008) Stehling, O., et al. Mol. Cell. Biol. 28(17):5517-5528(2008) Taniguchi, N., et al. J. Biol. Chem. 275(41):31674-31681(2000)