

NUBP1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18935c**Specification**

NUBP1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P53384
Other Accession	Q5I050 , Q3KQF0 , Q6P298 , Q24K00 , NP_002475.2
Reactivity	Human
Predicted	Bovine, Zebrafish, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34534
Antigen Region	185-212

NUBP1 Antibody (Center) - 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

Target/Specificity

This NUBP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 185-212 amino acids from the Central region of human NUBP1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

NUBP1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

NUBP1 Antibody (Center) - 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

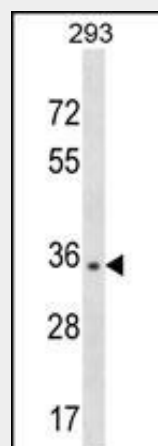
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03038, ECO:0000269|PubMed:18573874, ECO:0000269|PubMed:29848660}. Nucleus {ECO:0000250|UniProtKB:Q9R060}. Cell projection {ECO:0000250|UniProtKB:Q9R060}. Cytoplasm, cytoskeleton, cilium axoneme {ECO:0000250|UniProtKB:Q9R060}. Cytoplasm, cytoskeleton, cilium basal 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) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NUBP1 Antibody (Center) - Images



NUBP1 Antibody (Center) (Cat. #AP18935c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the NUBP1 antibody detected the NUBP1 protein (arrow).

NUBP1 Antibody (Center) - 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) - 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)