

NUBP1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58764

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P53384
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34534

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
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.