

NUBP2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58765

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9Y5Y2
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28825

Additional Information

Gene ID	10101
Other Names	Cytosolic Fe-S cluster assembly factor NUBP2 {ECO:0000255 HAMAP-Rule:MF_03039}, Nucleotide-binding protein 2 {ECO:0000255 HAMAP-Rule:MF_03039}, NBP 2 {ECO:0000255 HAMAP-Rule:MF_03039}, NUBP2 {ECO:0000255 HAMAP-Rule:MF_03039}
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	NUBP2 {ECO:0000255 HAMAP-Rule:MF_03039}
Function	Component of the cytosolic iron-sulfur (Fe/S) protein assembly (CIA) machinery. Required for maturation of extramitochondrial Fe-S proteins. 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. Negatively regulates cilium formation and structure.
Cellular Location	Nucleus {ECO:0000255 HAMAP-Rule:MF_03039}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000255 HAMAP-Rule:MF_03039}. Cytoplasm. Cytoplasm, cytoskeleton, cilium axoneme {ECO:0000250 UniProtKB:Q9R061}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole {ECO:0000250 UniProtKB:Q9R061}. Cytoplasm, cytoskeleton, microtubule organizing center {ECO:0000250 UniProtKB:Q9R061}. Note=Enriched at the centrosomes during mitosis. Enriched in centrioles of microtubule asters

during prophase, prometaphase and telophase stages of mitosis (By similarity). Localized at centrioles and in the nucleus at interphase (By similarity). Colocalizes with nubp-1 at prometaphase (By similarity). {ECO:0000250|UniProtKB:Q9R061, ECO:0000255|HAMAP- Rule:MF_03039}

Tissue Location

Widely expressed with highest expression in skeletal muscle

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