

AGTPBP1 / NNA1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3367a**Specification**

AGTPBP1 / NNA1 Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	Q9UPW5
Other Accession	NP_056054.2 , 23287 , 67269 (mouse) , 290986 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	138448

AGTPBP1 / NNA1 Antibody (internal region) - Additional Information**Gene ID** 23287**Other Names**

Cytosolic carboxypeptidase 1, 3.4.17.-, ATP/GTP-binding protein 1, Nervous system nuclear protein induced by axotomy protein 1 homolog, AGTPBP1, CCP1, KIAA1035, NNA1

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

AGTPBP1 / NNA1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

AGTPBP1 / NNA1 Antibody (internal region) - Protein Information**Name** AGTPBP1 ([HGNC:17258](#))**Function**

Metalloprotease that mediates protein dephosphorylation of tubulin and non-tubulin target

proteins (PubMed:22170066, PubMed:24022482, PubMed:30420557). Catalyzes the removal of polyglutamate side chains present on the gamma-carboxyl group of glutamate residues within the C-terminal tail of alpha- and beta-tubulin (PubMed:22170066, PubMed:24022482, PubMed:30420557). Specifically cleaves tubulin long-side-chains, while it is not able to remove the branching point glutamate (PubMed:24022482). Also catalyzes the removal of polyglutamate residues from the carboxy-terminus of alpha-tubulin as well as non-tubulin proteins such as MYLK (PubMed:22170066). Involved in KLF4 deglutamylation which promotes KLF4 proteasome-mediated degradation, thereby negatively regulating cell pluripotency maintenance and embryogenesis (PubMed:29593216).

Cellular Location

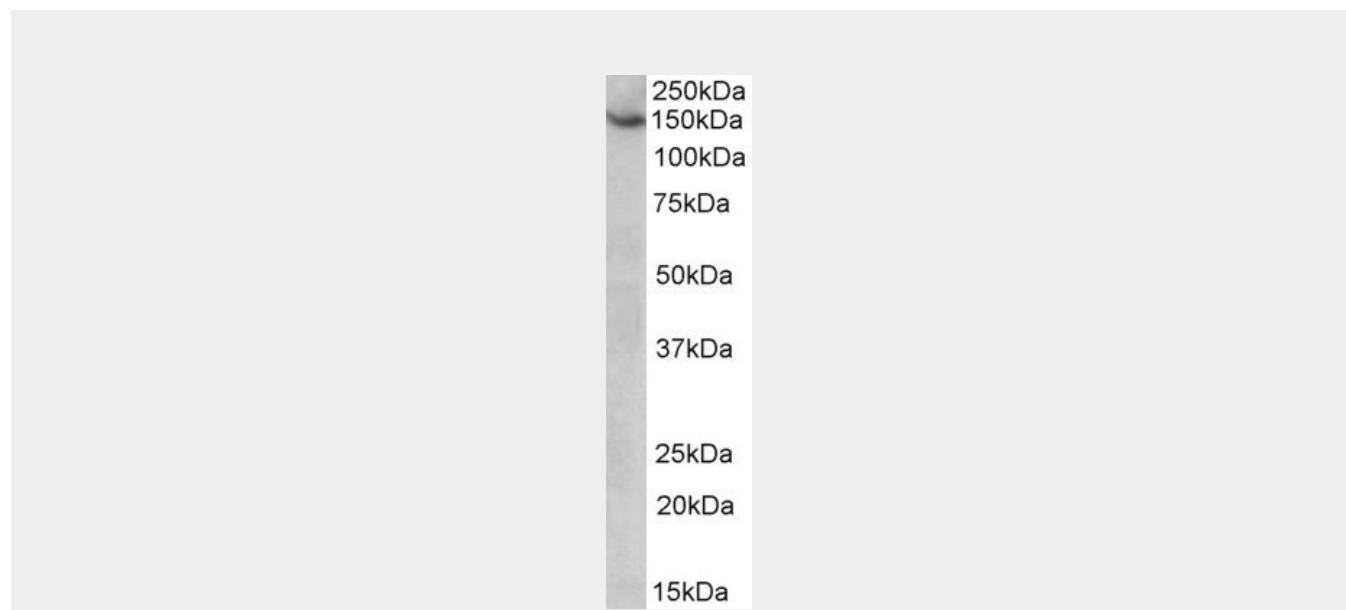
Cytoplasm. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q641K1}. Nucleus Mitochondrion {ECO:0000250|UniProtKB:Q641K1}. Note=Localizes in both the cytoplasm and nuclei of interphase and dividing cells

AGTPBP1 / NNA1 Antibody (internal region) - 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](#)

AGTPBP1 / NNA1 Antibody (internal region) - Images



AF3367a (1 µg/ml) staining of HeLa lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

AGTPBP1 / NNA1 Antibody (internal region) - References

Knockout mouse models of sperm flagellum anomalies. Escalier D. Hum Reprod Update. 2006 Jul-Aug;12(4):449-61. PMID: 16565154