

OLA1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16503a**Specification**

OLA1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q9NTK5
Other Accession	A0JPJ7 , Q9CZ30 , Q2HJ33 , NP_037473.3
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44744
Antigen Region	43-71

OLA1 Antibody (N-term) - Additional Information**Gene ID** 29789**Other Names**

Obg-like ATPase 1 {ECO:0000255|HAMAP-Rule:MF_03167}, DNA damage-regulated overexpressed in cancer 45, DOC45, GTP-binding protein 9, OLA1 {ECO:0000255|HAMAP-Rule:MF_03167}, GTPBP9

Target/Specificity

This OLA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 43-71 amino acids from the N-terminal region of human OLA1.

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

OLA1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OLA1 Antibody (N-term) - Protein Information

Name OLA1 {ECO:0000255|HAMAP-Rule:MF_03167}

Synonyms GTPBP9

Function Hydrolyzes ATP, and can also hydrolyze GTP with lower efficiency. Has lower affinity for GTP.

Cellular Location

Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03167, ECO:0000269|PubMed:20053727}. Nucleus {ECO:0000255|HAMAP-Rule:MF_03167, ECO:0000269|PubMed:20053727}. Nucleus, nucleolus {ECO:0000255|HAMAP-Rule:MF_03167, ECO:0000269|PubMed:20053727}. Note=Predominantly cytoplasmic, shuttles between the nucleus and the cytoplasm {ECO:0000255|HAMAP-Rule:MF_03167}

Tissue Location

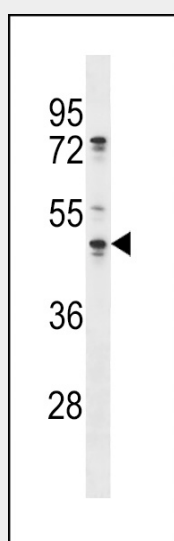
Expressed in all tissues tested but its expression is more abundant in testis, liver, lung, and brain. Overexpressed in several malignancies, including cancers of the colon, rectum, ovary, lung, stomach, and uterus

OLA1 Antibody (N-term) - Protocols

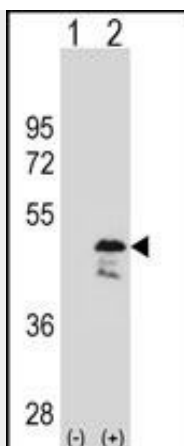
Provided below are standard protocols that you may find useful for product applications.

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

OLA1 Antibody (N-term) - Images



OLA1 Antibody (N-term) (Cat. #AP16503a) western blot analysis in A375 cell line lysates (35ug/lane). This demonstrates the OLA1 antibody detected the OLA1 protein (arrow).



Western blot analysis of OLA1 (arrow) using rabbit polyclonal OLA1 Antibody (N-term) (Cat. #AP16503a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the OLA1 gene.

OLA1 Antibody (N-term) - Background

Hydrolyzes ATP, and can also hydrolyze GTP with lower efficiency. Has lower affinity for GTP.

OLA1 Antibody (N-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Sun, H., et al. Mol. Cancer Res. 8(1):57-66(2010)
Zhang, J.W., et al. J Zhejiang Univ Sci B 10(11):796-804(2009)
Zhang, J., et al. Proc. Natl. Acad. Sci. U.S.A. 106(36):15356-15361(2009)
Kira, Y., et al. Cell. Mol. Biol. Lett. 13(4):570-584(2008)