

AATK Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14516a**Specification**

AATK Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O6ZMQ8
Other Accession	NP_001073864.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	144569
Antigen Region	46-74

AATK Antibody (N-term) - Additional Information**Gene ID** 9625**Other Names**

Serine/threonine-protein kinase LMTK1, Apoptosis-associated tyrosine kinase, AATYK, Brain apoptosis-associated tyrosine kinase, CDK5-binding protein, Lemur tyrosine kinase 1, p35-binding protein, p35BP, AATK, AATYK, KIAA0641, LMR1, LMTK1

Target/Specificity

This AATK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 46-74 amino acids from the N-terminal region of human AATK.

Dilution

WB~~1:2000

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

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

AATK Antibody (N-term) - Protein Information**Name** AATK

Synonyms AATYK, KIAA0641, LMR1, LMTK1

Function May be involved in neuronal differentiation.

Cellular Location

Membrane; Single-pass type I membrane protein. Cytoplasm. Cytoplasm, perinuclear region.

Note=Predominantly perinuclear

Tissue Location

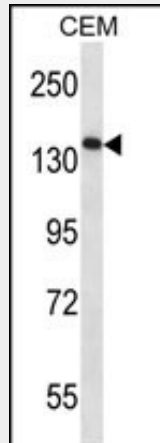
Expressed in brain..

AATK Antibody (N-term) - Protocols

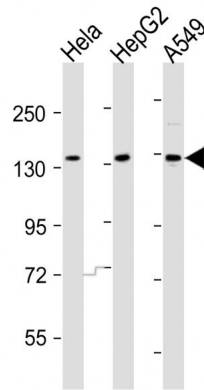
Provided below are standard protocols that you may find useful for product applications.

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

AATK Antibody (N-term) - Images



AATK Antibody (N-term) (Cat. #AP14516a) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the AATK antibody detected the AATK protein (arrow).



All lanes : Anti-AATK Antibody (N-term) at 1:2000 dilution Lane 1: HeLa whole cell lysates Lane 2: HepG2 whole cell lysates Lane 3: A549 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 145 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

AATK Antibody (N-term) - Background

The protein encoded by this gene contains a tyrosine kinase domain at the N-terminus and a proline-rich domain at the C-terminus. This gene is induced during apoptosis, and expression of this gene may be a necessary pre-requisite for the induction of growth arrest and/or apoptosis of myeloid precursor cells. This gene has been shown to produce neuronal differentiation in a neuroblastoma cell line.

AATK Antibody (N-term) - References

- Tomomura, M., et al. *Neuroscience* 148(2):510-521(2007)
- Lee, S., et al. *Oncol. Rep.* 16(4):747-754(2006)
- Honma, N., et al. *Biochem. Biophys. Res. Commun.* 310(2):398-404(2003)
- Tomomura, M., et al. *Brain Res. Mol. Brain Res.* 112 (1-2), 103-112 (2003) :
- Tomomura, M., et al. *Oncogene* 20(9):1022-1032(2001)