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AATK Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14516a

Specification

AATK Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q6ZMQ8
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

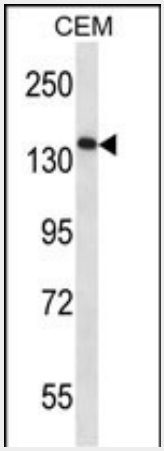
Tissue Location
Expressed in brain..

AATK Antibody (N-term) - Protocols

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

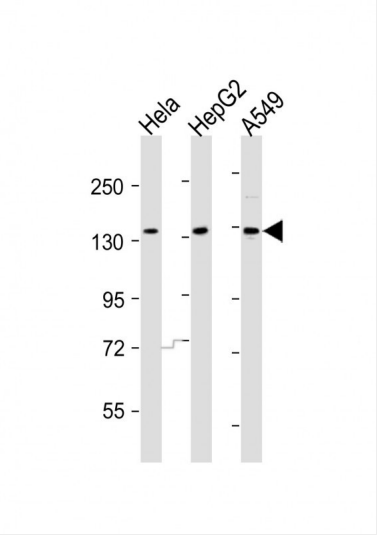
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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).

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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)