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AATK Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14516a

Product Information

Application	WB, E
Primary Accession	Q6ZMQ8
Other Accession	NP_001073864.2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34319
Calculated MW	144569
Antigen Region	46-74

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~~1:1000 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	AATK Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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..

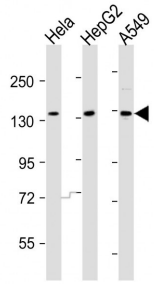
Background

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.

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)

Images



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.

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