SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-AATK antibody

Catalog Number: SL1510R

FOR RESEARCH USE ONLY

[DATASHEET]

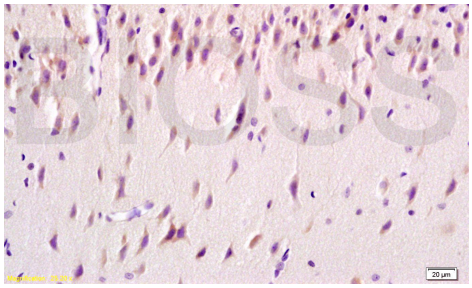
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	AATK
Immunogen:	KLH conjugated synthetic peptide derived from human AATK: 1201-1374/1374
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse)
Predicted MW.:	151kDa
Subcellular Location:	cytoplasmic The cell membrane
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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2011] **Function:** Apoptosis associated tyrosine kinase May be involved in neuronal differentiation. **Subunit:** Interacts with CDK5. **Subcellular Location:** Membrane; Single-pass type I membrane protein. Cytoplasm. Cytoplasm, perinuclear region.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Tissue Specificity: Expressed in brain, and, to a lower extent, in kidney, heart, lung and skeletal muscle. Belongs to the protein kinase superfamily. Tyr protein kinase family. **Similarity:** Belongs to the protein kinase superfamily. Tyr protein kinase family. Contains 1 protein kinase domain. **Database links:** **Entrez Gene:** 9625 Human Omim: 605276 Human **SwissProt:** Q6ZMQ8 Human **Unigene:** 514575 Human

[VALIDATION IMAGES]



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-AATK Polyclonal Antibody, Unconjugated(SL1510R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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