

**AATK Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8456b****Specification**

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**AATK Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P,E            |
| Primary Accession | <a href="#">Q6ZMQ8</a> |
| Reactivity        | Human, Mouse           |
| Host              | Mouse                  |
| Clonality         | monoclonal             |
| Isotype           | IgG2b,k                |

**AATK Antibody - 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 a mouse immunized with a recombinant protein.

**Dilution**

WB~~1:500

IHC-P~~1:25

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**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 is for research use only and not for use in diagnostic or therapeutic procedures.

**AATK Antibody - 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

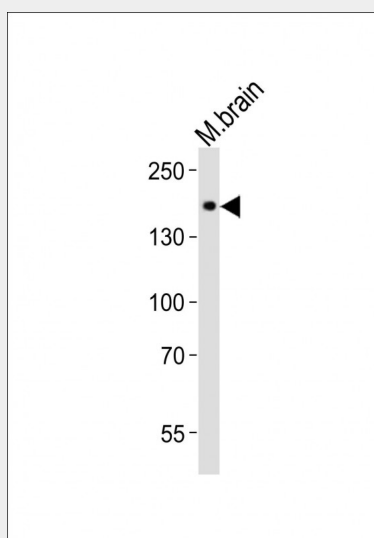
**Tissue Location**

Expressed in brain..

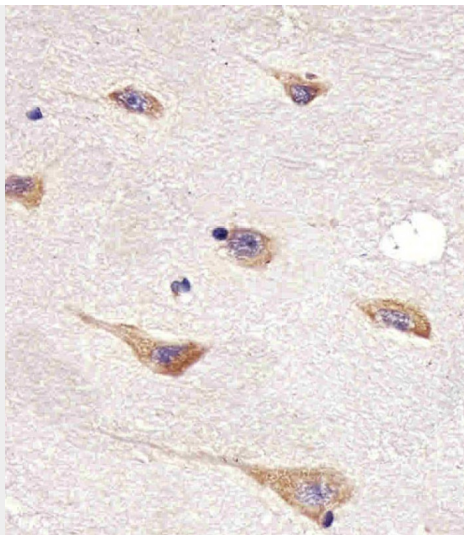
**AATK Antibody - Protocols**

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 - Images**

Western blot analysis of lysate from mouse brain tissue lysate, using AATK Antibody (Cat. #AM8456b). AM8456b was diluted at 1:500. A goat anti-mouse IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20µg.



AM8456b staining AATK in human brain sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

#### **AATK Antibody - Background**

May be involved in neuronal differentiation.

#### **AATK Antibody - References**

Ota T., et al. Nat. Genet. 36:40-45(2004).  
Ishikawa K., et al. DNA Res. 5:169-176(1998).  
Nakajima D., et al. DNA Res. 9:99-106(2002).  
Honma N., et al. Biochem. Biophys. Res. Commun. 310:398-404(2003).  
Raghunath M., et al. Brain Res. Mol. Brain Res. 77:151-162(2000).