

**MAT2A Antibody (aa1-395, clone AT3A2)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS12639****Specification**

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**MAT2A Antibody (aa1-395, clone AT3A2) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">P31153</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 44kDa KDa              |

**MAT2A Antibody (aa1-395, clone AT3A2) - Additional Information****Gene ID** 4144**Other Names**

S-adenosylmethionine synthase isoform type-2, AdoMet synthase 2, 2.5.1.6, Methionine adenosyltransferase 2, MAT 2, Methionine adenosyltransferase II, MAT-II, MAT2A, AMS2, MATA2

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

MAT2A Antibody (aa1-395, clone AT3A2) is for research use only and not for use in diagnostic or therapeutic procedures.

**MAT2A Antibody (aa1-395, clone AT3A2) - Protein Information****Name** MAT2A**Synonyms** AMS2, MATA2**Function**

Catalyzes the formation of S-adenosylmethionine from methionine and ATP. The reaction comprises two steps that are both catalyzed by the same enzyme: formation of S-adenosylmethionine (AdoMet) and triphosphate, and subsequent hydrolysis of the triphosphate.

**Tissue Location**

Detected in kidney..

**Volume**

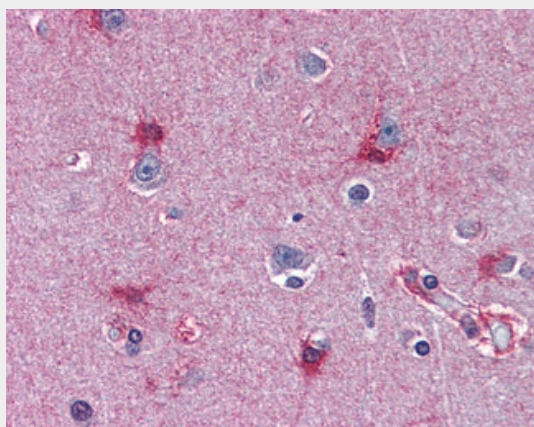
50 µl

**MAT2A Antibody (aa1-395, clone AT3A2) - Protocols**

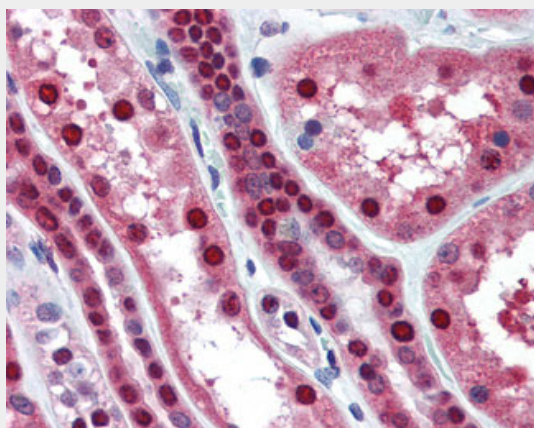
Provided below are standard protocols that you may find useful for product applications.

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

#### **MAT2A Antibody (aa1-395, clone AT3A2) - Images**



Anti-MAT2A antibody IHC of human brain, cortex.



Anti-MAT2A antibody IHC of human kidney.

#### **MAT2A Antibody (aa1-395, clone AT3A2) - Background**

Catalyzes the formation of S-adenosylmethionine from methionine and ATP.

#### **MAT2A Antibody (aa1-395, clone AT3A2) - References**

Horikawa S.,et al.FEBS Lett. 312:37-41(1992).  
Panayiotidis M.I.,et al.Free Radic. Biol. Med. 40:348-358(2006).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Hillier L.W.,et al.Nature 434:724-731(2005).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.