

**Aspartate Aminotransferase Rabbit mAb**  
Catalog # AP75112**Specification****Aspartate Aminotransferase Rabbit mAb - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">P17174</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	46248

**Aspartate Aminotransferase Rabbit mAb - Additional Information****Gene ID** 2805**Other Names**

GOT1

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

IF~~1/50-1/200

**Format**

Liquid

**Aspartate Aminotransferase Rabbit mAb - Protein Information****Name** GOT1 ([HGNC:4432](#))**Function**

Biosynthesis of L-glutamate from L-aspartate or L-cysteine (PubMed:<a href="http://www.uniprot.org/citations/21900944" target="\_blank">21900944</a>). Important regulator of levels of glutamate, the major excitatory neurotransmitter of the vertebrate central nervous system. Acts as a scavenger of glutamate in brain neuroprotection. The aspartate aminotransferase activity is involved in hepatic glucose synthesis during development and in adipocyte glyceroneogenesis. Using L-cysteine as substrate, regulates levels of mercaptopyruvate, an important source of hydrogen sulfide. Mercaptopyruvate is converted into H(2)S via the action of 3-mercaptopyruvate sulfurtransferase (3MST). Hydrogen sulfide is an important synaptic modulator and neuroprotectant in the brain. In addition, catalyzes (2S)-2- aminobutanoate, a by-product in the cysteine biosynthesis pathway (PubMed:<a href="http://www.uniprot.org/citations/27827456" target="\_blank">27827456</a>).

**Cellular Location**

Cytoplasm.

## Aspartate Aminotransferase Rabbit mAb - 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](#)

## Aspartate Aminotransferase Rabbit mAb - Images



