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# Aspartate Aminotransferase Rabbit mAb

Catalog # AP75112

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, IHC-F, ICC |
| **Primary Accession** | P17174 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Calculated MW** | 46248 |

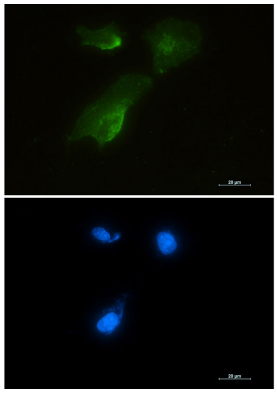
## Additional Information

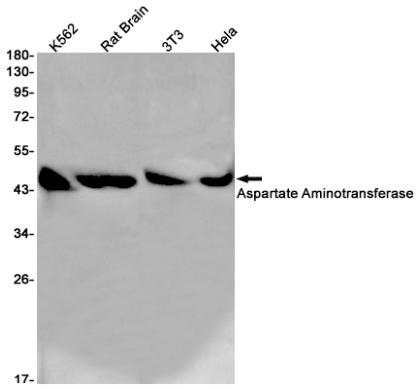
| | |
|---|---|
| **Gene ID** | 2805 |
| **Other Names** | GOT1 |
| **Dilution** | WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A |
| **Format** | Liquid |

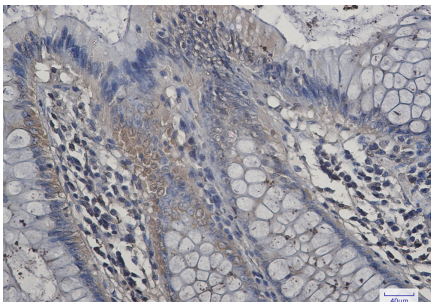
## Protein Information

| | |
|---|---|
| **Name** | GOT1 ( HGNC:4432) |
| **Function** | Biosynthesis of L-glutamate from L-aspartate or L-cysteine (PubMed:21900944). 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:27827456). |
| **Cellular Location** | Cytoplasm. |

## Images





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