

**bsm-60599R****[ Primary Antibody ]****BioSS**  
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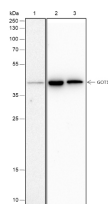
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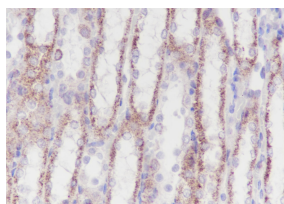
**GOT1 Recombinant Rabbit mAb****— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** H4D9**Target:** GOT1**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

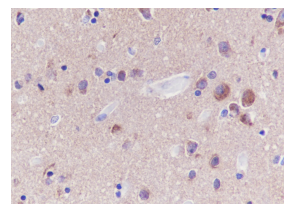
**Background:** Aspartate Aminotransferase [Glutamate oxaloacetate transaminase] is a ubiquitous pyridoxal phosphate-dependent enzyme which exists in both mitochondrial and cytosolic forms. The enzyme plays an important role in amino acid metabolism and in the urea and tricarboxylic acid cycles. The 2 isoenzymes are homodimeric. In liver about 80% of the enzyme activity is mitochondrial in origin, whereas in serum the enzyme activity is largely cytosolic. Although the mitochondrial and soluble forms of GOT are coded by different chromosomes, the 2 show close homology in amino acid sequence and were presumably derived from a common ancestral gene.

**Applications:** WB (1:500-1:1000)**IHC-P** (1:100-500)**IHC-F****IF** (1:100-500)**Reactivity:** Human, Rat  
(predicted: Mouse)**Subcellular Location:** Cytoplasm**— VALIDATION IMAGES —**

Blocking buffer: 5% NFDM/TBST Primary ab dilution: 1:1000 Primary ab incubation condition: 2 hours at room temperature  
Secondary ab: Goat Anti-Rabbit IgG H&L (HRP)  
Lysate: 1: HeLa, 2: Mouse heart, 3: Rat heart  
Protein loading quantity: 20 µg Exposure time: 60 s Predicted MW: 46 kDa Observed MW: 46 kDa



Tissue: Rat kidney Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100 Primary ab incubation condition: 1 hour at room temperature Secondary ab: SP Kit(Rabbit) (sp-0023) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for bsm-60599R



Tissue: Human cerebrum Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:1000 Primary ab incubation condition: 1 hour at room temperature Secondary ab: SP Kit(Rabbit) (sp-0023) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for bsm-60599R

**— SELECTED CITATIONS —**

- **[IF=2.7]** Tingting Li. et al. Machine Learning Identify Ferroptosis-Related Genes as Potential Diagnostic Biomarkers for Gastric Intestinal Metaplasia. technology in cancer research & treatment. 2024 Jan-Dec;23:15330338241272036. IHC ;Human. 39169865