

# Rabbit anti-Human, Mouse Aspartate Aminotransferase (AST) Polyclonal Antibody | anti-AST antibody

Polyclonal Antibody to Aspartate Aminotransferase (AST)

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                   |
|-----------|--------|--------------|----------------------------------------------------------------|
| AAA133739 | Rabbit | Human, Mouse | Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry |

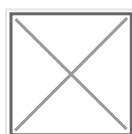
## PRODUCT SYNONYMS

Aspartate Aminotransferase (AST); Polyclonal Antibody; Polyclonal Antibody to Aspartate Aminotransferase (AST); anti-AST antibody

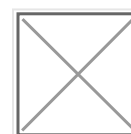
## PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Reactivity                                    | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Clonality                                     | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Specificity                                   | The antibody is a rabbit polyclonal antibody raised against AST. It has been selected for its ability to recognize AST in immunohistochemical staining and western blotting.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification                           | Affinity Chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form/Format                                   | Supplied as solution form in PBS, pH7.4, containing 0.02% Na <sub>3</sub> , 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Concentration                                 | 0.5mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence                                      | Antigen: The target protein is fused with N-terminal His-Tag and its sequence is listed below.<br>MG HHHHHHSGSE F-MAPPSVFA EVPQAQPVLV FKLTADFRED PDPRKVN LGV GAYRTDDCHP WVLVVKKVE<br>QKIANDNSLN HEYLPILGLA EFRSCASRLA LGDDSPALKE KRVGGVQSLG GTGALRIGAD FLARWYNGTN<br>NKNTPVYVSS PTWENHNAVF SAAGFKDIRS YRYWDAEKRGLDLQGFLNDL ENAPEFSIVV LHACAHNPTG<br>IDPTPEQWKQ IASVMKHRFL PPFDSAYQG FASGNLERDA WAIRYFVSEG FEFFCAQSFS KNFGLYNERV<br>GNLTVVGKEP ESILQVLSQM EKIVRITWSN PPAQGARIVA STLSNPELFE EWTGNVKTMA DRILTRSEL<br>RARLEALKTP GTWNHITDQI GMFSFTGLNP KQVEYLVNEK HIYLLPSGRI NVSGLTTKNL DYVATSIHEA VTKIQ |
| Sequence Length                               | 448                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applicable Applications for anti-AST antibody | WB (Western Blot), ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Immunogen                                     | Recombinant AST (Met1~Gln413) expressed in E.coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cross Reactivity                              | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Conjugated Antibody                           | The APC conjugated antibody version of this item is also available as                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage                       | Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                        |

## IMAGES



IHC (Immunohistochemistry)  
DAB staining on IHC-P; Samples: Human Liver Cancer Tissue.



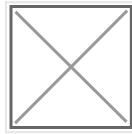
IHC (Immunohistochemistry)  
DAB staining on IHC-P; Samples: Human Kidney Tissue

**IHC (Immunohistochemistry)**

DAB staining on IHC-P; Samples: Human Liver Tissue.

**WB (Western Blot)**

Western Blot: Sample: Recombinant AST, Human.

**WB (Western Blot)**

Western Blot: Sample: Lane1: Mouse Brain Tissue; Lane2: Mouse Heart Tissue.

**NCBI AND UNIPROT INFORMATION**

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| NCBI GI #                        | 4504067                                 |
| NCBI GeneID                      | 2805                                    |
| NCBI Accession #                 | NP_002070.1                             |
| NCBI GenBank Nucleotide #        | NM_002079.2                             |
| UniProt Accession #              | P17174; Q5VW80; B2R6R7; B7Z7E9          |
| Molecular Weight                 | 44,147 Da                               |
| NCBI Official Full Name          | aspartate aminotransferase, cytoplasmic |
| NCBI Official Synonym Full Names | glutamic-oxaloacetic transaminase 1     |
| NCBI Official Symbol             | GOT1                                    |
| NCBI Official Synonym Symbols    | AST1; cCAT; GIG18; cAspAT; ASTQTL1      |
| NCBI Protein Information         | aspartate aminotransferase, cytoplasmic |
| UniProt Protein Name             | Aspartate aminotransferase, cytoplasmic |
| UniProt Gene Name                | <b>GOT1</b>                             |
| UniProt Synonym Gene Names       | cAspAT; cCAT                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/aspartate-aminotransferase-ast-antibody-western-blot-immunohistochemistry-immunocytochemistry-elisa/133739>