



## Aspartate Aminotransferase Antibody(NB100-77335)

### Summary:

Clonality:	Polyclonal
Specificity:	GOT1
Purity:	Immunogen affinity purified
Host:	Goat

### Details:

Synthetic peptide, C-TADFREDPDKRVN, representing the internal region of the sequence  
Immunogen: according to NP\_002070.1

Epitope: TADFREDPDKRVN

Isotype: IgG

Localization: Cytoplasmic and Mitochondrial

### Gene Symbol: GOT1

Entrez: 2805 (Human)

Swiss Prot: NP\_002070.1 (Human)

### Background:

Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology.

### Species:

Human,  
Mouse

Reactivity: Human  
and mouse

*\*Note not all species have been tested for reactivity. Only those species listed have been tested. We cannot make any guarantees about additional reactivities or cross reactivities beyond those that have been tested. This antibody may or may not react with other species.*

### Applications:

Gentaur Molecular Products  
Voortstraat 49  
1910 Kampenhout, Belgium

ELISA, WB

This antibody is useful for Peptide ELISA and Western Blot. Approx 40kDa band observed in Human Liver lysates (calculated MW of 46.2kDa according to NP\_002070.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Berk et al, Proc Natl Acad Sci U S A. 1990 May;87(9):3484-8; PMID: 2185471).

Dilutions: ELISA 1:16000, Western Blot 0.5-1.5ug/ml

TMW: 46.2 kDa

Positive Controls: 

- Aspartate Aminotransferase Lysate (Aspartate Aminotransferase Lysate (NBL1-11207)(0.1mg))

**Packaging:**

Storage: Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

Buffer: Tris-saline [pH7.3] with 0.5% BSA

Preservative: 0.02% Sodium Azide

Concentration: 0.5 mg/ml

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Products are guaranteed for 6 months from date of receipt, except for peptides

Limitations: and proteins which are guaranteed for 3 months.

**Publications:**

1. Teichberg VI. From the liver to the brain across the blood-brain barrier. Proc Natl Acad Sci U S A. 2007 May 1;104(18):7315-6. Epub 2007 Apr 26. Noabstract available.

**Images (1)**

