

**GOT2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8968a****Specification**

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**GOT2 Antibody (N-term) - Product Information**

Application	WB, FC, E
Primary Accession	<a href="#">P00505</a>
Other Accession	<a href="#">P00507</a> , <a href="#">P00506</a> , <a href="#">P05202</a> , <a href="#">Q4R559</a> , <a href="#">P00508</a> , <a href="#">P12344</a>
Reactivity	Human
Predicted	Bovine, Chicken, Monkey, Mouse, Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	33-61

**GOT2 Antibody (N-term) - Additional Information****Gene ID** 2806**Other Names**

Aspartate aminotransferase, mitochondrial, mAspAT, Fatty acid-binding protein, FABP-1, Glutamate oxaloacetate transaminase 2, Kynurenine aminotransferase 4, Kynurenine aminotransferase IV, Kynurenine--oxoglutarate transaminase 4, Kynurenine--oxoglutarate transaminase IV, Plasma membrane-associated fatty acid-binding protein, FABPpm, Transaminase A, GOT2

**Target/Specificity**

This GOT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 33-61 amino acids from the N-terminal region of human GOT2.

**Dilution**

WB~~1:1000

FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GOT2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GOT2 Antibody (N-term) - Protein Information**

**Name** GOT2 ([HGNC:4433](#))

**Function** Catalyzes the irreversible transamination of the L-tryptophan metabolite L-kynurenine to form kynurenic acid (KA). As a member of the malate-aspartate shuttle, it has a key role in the intracellular NAD(H) redox balance. Is important for metabolite exchange between mitochondria and cytosol, and for amino acid metabolism. Facilitates cellular uptake of long-chain free fatty acids.

**Cellular Location**

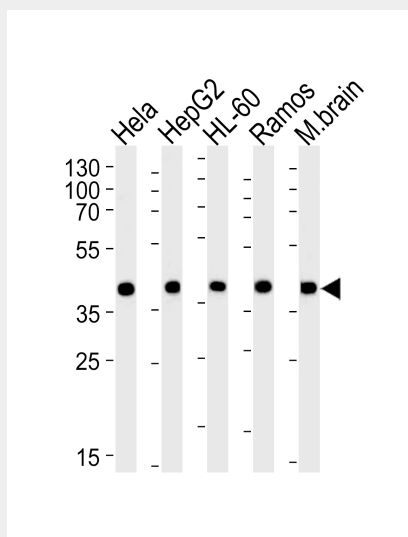
Mitochondrion matrix. Cell membrane. Note=Exposure to alcohol promotes translocation to the cell membrane.

**GOT2 Antibody (N-term) - Protocols**

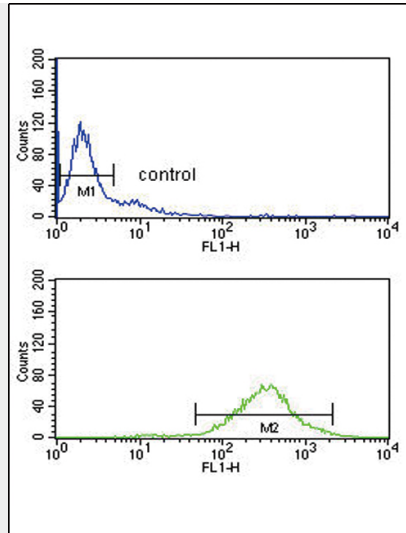
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**GOT2 Antibody (N-term) - Images**



Western blot analysis of lysates from HeLa, HepG2, HL-60, Ramos, mouse brain cell line (from left to right), using GOT2 Antibody (N-term)(Cat. #AP8968a). AP8968a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



GOT2 Antibody (N-term) (Cat. #AP8968a) flow cytometry analysis of Ramos cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **GOT2 Antibody (N-term) - Background**

Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane 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.

#### **GOT2 Antibody (N-term) - References**

Schiele, F., et al., Clin. Chem. 35 (6), 926-930 (1989)  
Watazu, Y., et al., Clin. Chem. 36 (4), 687-689 (1990)