

GOT2 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17150**Specification**

GOT2 Antibody - Product Information

Application	IHC-P, WB
Primary Accession	P00505
Other Accession	2806
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	47518

GOT2 Antibody - Additional Information**Gene ID** 2806**Other Names**

GOT2, FABP-1, MitAAT, Transaminase A, FABPpm, Fatty acid-binding protein, KAT4, KATIV, Kynurenine aminotransferase IV, MAspAT

Reconstitution & Storage

PBS, pH 7.4, 0.03% Proclin 300, 50% glycerol. Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.

Precautions

GOT2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

GOT2 Antibody - 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

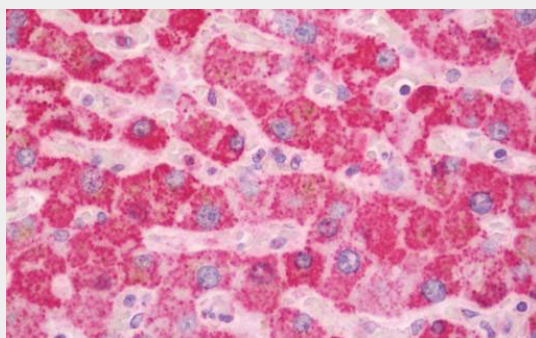
Mitochondrion matrix. Cell membrane. Note=Exposure to alcohol promotes translocation to the cell membrane.

GOT2 Antibody - Protocols

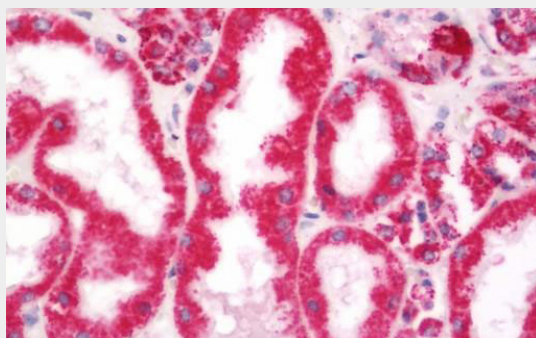
Provided below are standard protocols that you may find useful for product applications.

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

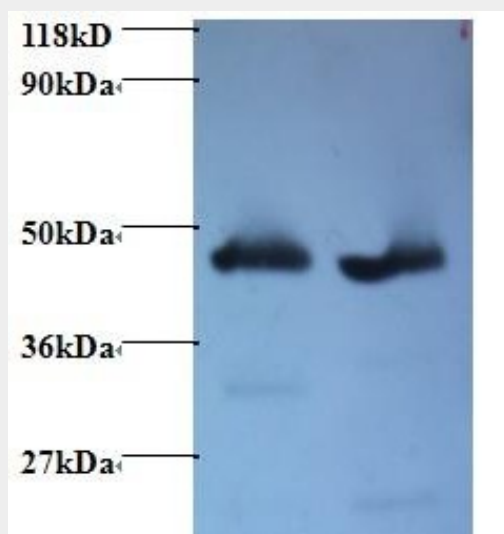
GOT2 Antibody - Images



Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western blot of Aspartate aminotransferase, mitochondrial antibody at 2 ug/ml.

GOT2 Antibody - Background

Catalyzes the irreversible transamination of the L- tryptophan metabolite L-kynurenine to form kynurenic acid (KA). Plays a key role in amino acid metabolism. Important for metabolite exchange between mitochondria and cytosol. Facilitates cellular uptake of long-chain free fatty acids.

GOT2 Antibody - References

Pol S.,et al.Biochem. Biophys. Res. Commun. 157:1309-1315(1988).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Martin J.,et al.Nature 432:988-994(2004).
Martini F.,et al.Biochim. Biophys. Acta 832:46-51(1985).