ARG41582
anti-GOT2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GOT2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GOT2
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 30-200 of Human GOT2 (NP_002071.2).
Conjugation	Un-conjugated
Alternate Names	Kynurenine aminotransferase 4; mitAAT; Plasma membrane-associated fatty acid-binding protein; Kynurenine--oxoglutarate transaminase 4; Glutamate oxaloacetate transaminase 2; KAT4; Transaminase A; KATIV; FABP-1; Aspartate aminotransferase, mitochondrial; FABPpm; Fatty acid-binding protein; Kynurenine--oxoglutarate transaminase IV; mAspAT; Kynurenine aminotransferase IV; EC 2.6.1.1; EC 2.6.1.7

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	BT-474
Observed Size	~ 43 kDa

Properties

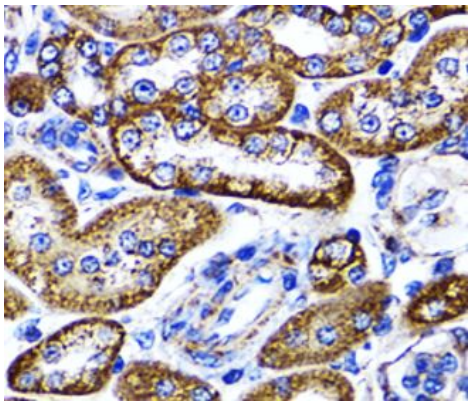
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

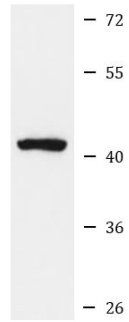
Gene Symbol	GOT2
Gene Full Name	glutamic-oxaloacetic transaminase 2, mitochondrial
Background	Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and inner-membrane mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2013]
Function	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. [UniProt]
Calculated Mw	48 kDa
Cellular Localization	Mitochondrion matrix. Cell membrane. Note=Exposure to alcohol promotes translocation to the cell membrane. [UniProt]

Images



ARG41582 anti-GOT2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney tissue stained with ARG41582 anti-GOT2 antibody at 1:100 dilution.



BT-474

ARG41582 anti-GOT2 antibody WB image

Western blot: 25 µg of BT-474 cell lysate stained with ARG41582 anti-GOT2 antibody at 1:1000 dilution.