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GOT2 Recombinant Rabbit mAb

Catalog # AP100038

Product Information

Application	WB, IHC-P, IHC-F, IF, IP
Primary Accession	P00505
Other Accession	P00505
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	47518
Physical State	Liquid
Immunogen	A synthesized peptide derived from human GOT2
Epitope Specificity	17-72
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family.
SUBUNIT	Homodimer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	2806
Other Names	DEE82; KAT4; KATIV; KYAT4; mitAAT; FABP-pm; Got-2; mAspAT; ASPATA; mAAT; AATM_HUMAN; GOT2; 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; 2.6.1.1; 2.6.1.7; AATM_MOUSE; AATM_RAT; glutamic-oxaloacetic transaminase 2; glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2); glutamic-oxaloacetic transaminase 2, mitochondrial; aspartate aminotransferase 2; aspartate transaminase 2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IP=1:20-50,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.