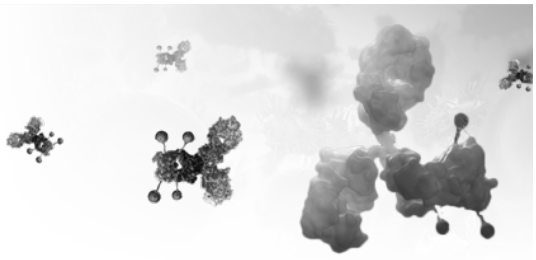

Anti-GOT2 (aa 331-430) polyclonal antibody (DPAB-DC1399)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	GOT2 (NP_002071, 331 a.a. ~ 430 a.a) partial recombinant protein with GST tag. The sequence is LNTPDLRKQWLQEVKGMADRIIGMRTQLVSNLKKEGSTHNWQHITDQIGMFCFTGLKPEQ VERLIKEFSIYMTKDGRISVAGVTSSNVGYLAHAIHQVTK
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Gene Name	GOT2 glutamic-oxaloacetic transaminase 2, mitochondrial [Homo sapiens (human)]
Official Symbol	GOT2
Synonyms	GOT2; glutamic-oxaloacetic transaminase 2, mitochondrial; KAT4; KATIV; mitAAT; aspartate aminotransferase, mitochondrial; FABP-1; FABPpm; mAspAT; transaminase A; aspartate transaminase 2; fatty acid-binding protein; aspartate aminotransferase 2; kynurenine aminotransferase 4; kynurenine aminotransferase IV; glutamate oxaloacetate transaminase 2; kynurenine--oxoglutarate transaminase 4; kynurenine--oxoglutarate transaminase IV; plasma membrane-associated fatty acid-binding protein; glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2);
Entrez Gene ID	2806
Protein Refseq	NP_001273149
UniProt ID	P00505
Chromosome Location	16q21
Pathway	2-Oxocarboxylic acid metabolism; 4-hydroxyproline degradation; Alanine, aspartate and glutamate metabolism; Amino acid synthesis and interconversion (transamination)
Function	L-aspartate:2-oxoglutarate aminotransferase activity; L-phenylalanine:2-oxoglutarate aminotransferase activity; kynurenine-oxoglutarate transaminase activity; poly(A) RNA binding

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