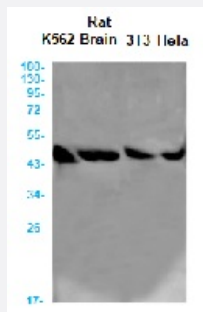


RecomAb™

GOT1 recombinant monoclonal antibody, clone R05-6C1

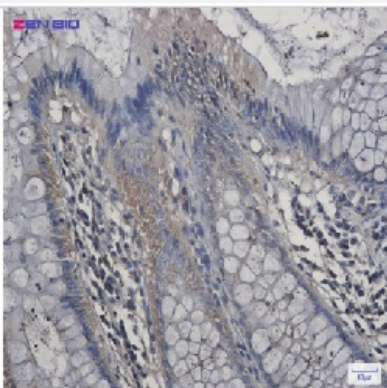
Catalog # RAB01584 Size 100 uL

Applications



Western Blot

Western blot analysis of Aspartate Aminotransferase in K562, rat Brain, 3T3, HeLa lysates using human Aspartate Aminotransferase recombinant monoclonal antibody, clone R05-6C1 (Cat # RAB01584).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human colon cancer tissue with Aspartate Aminotransferase recombinant monoclonal antibody, clone R05-6C1 (Cat # RAB01584).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human Aspartate Aminotransferase.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human Aspartate Aminotransferase
Theoretical MW (kDa)	Calculated MW: 46 kD

Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Aspartate Aminotransferase in K562, rat Brain, 3T3, Hela lysates using human Aspartate Aminotransferase recombinant monoclonal antibody, clone R05-6C1 (Cat # RAB01584).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human colon cancer tissue with Aspartate Aminotransferase recombinant monoclonal antibody, clone R05-6C1 (Cat # RAB01584).

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

Gene Info — GOT1

Entrez GeneID	2805
Protein Accession#	P17174
Gene Name	GOT1
Gene Alias	GIG18

Gene Description	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)
Omim ID	138180
Gene Ontology	Hyperlink
Gene Summary	Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and 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. [provided by RefSeq]
Other Designations	OTTHUMP00000020254 aspartate aminotransferase 1 growth-inhibiting protein 18

Pathway

- [Alanine](#)
- [Arginine and proline metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Carbon fixation in photosynthetic organisms](#)
- [Cysteine and methionine metabolism](#)
- [Isoquinoline alkaloid biosynthesis](#)
- [Metabolic pathways](#)
- [Novobiocin biosynthesis](#)
- [Phenylalanine](#)
- [Phenylalanine metabolism](#)
- [Tyrosine metabolism](#)