



AATM Monoclonal Antibody

Catalog No	YP-Ab-03381
Isotype	IgG
Reactivity	Human;Mouse;Rat;Monkey
Applications	WB;IF;ELISA
Gene Name	GOT2
Protein Name	Aspartate aminotransferase, mitochondrial
Immunogen	Purified recombinant fragment of human AATM expressed in E. Coli.
Specificity	AATM Monoclonal Antibody detects endogenous levels of AATM protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GOT2; Aspartate aminotransferase; mitochondrial; mAspAT; Fatty acid-binding protein; FABP-1; Glutamate oxaloacetate transaminase 2; Kynurenine aminotransferase 4; Kynurenine aminotransferase IV; Kynurenine--oxoglutarate transaminase 4; Kynu
Observed Band	
Cell Pathway	Mitochondrion matrix . Cell membrane . Exposure to alcohol promotes translocation to the cell membrane. .
Tissue Specificity	Epithelium,Gastric mucosa,Muscle,
Function	catalytic activity:L-aspartate + 2-oxoglutarate = oxaloacetate + L-glutamate.,cofactor:Pyridoxal phosphate.,function:Facilitates cellular uptake of long-chain free fatty acids.,miscellaneous:In eukaryotes there are cytoplasmic, mitochondrial and chloroplastic isozymes.,similarity:Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family.,subunit:Homodimer.,
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],



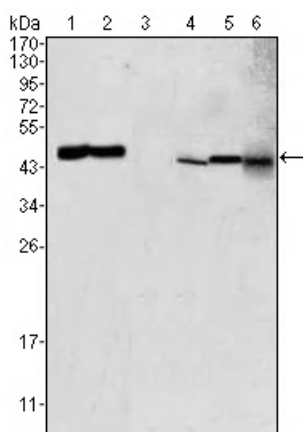
matters needing attention

Avoid repeated freezing and thawing!

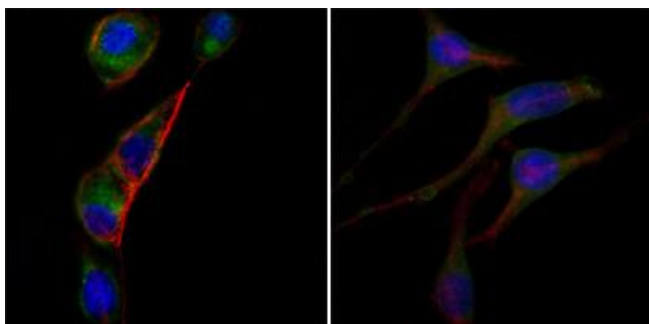
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using AATM Monoclonal Antibody against HEK293 (1), PC-12 (2), HL-60 (3), BCBL-1 (4), HepG2 (5) and NIH/3T3 (6) cell lysate.



Immunofluorescence analysis of PC-3 (left) and SK-BR-3 (right) cells using AATM Monoclonal Antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.