

AATC Polyclonal Antibody

Catalog No :	YT6181
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;WB
Target :	AATC
Fields :	>>Arginine biosynthesis;>>Alanine, aspartate and glutamate metabolism;>>Cysteine and methionine metabolism;>>Arginine and proline metabolism;>>Tyrosine metabolism;>>Phenylalanine metabolism;>>Phenylalanine, tyrosine and tryptophan biosynthesis;>>Metabolic pathways;>>Carbon metabolism;>>2-Oxocarboxylic acid metabolism;>>Biosynthesis of amino acids
Gene Name :	GOT1
Protein Name :	AATC
Human Gene Id :	2805
Human Swiss Prot No :	P17174
Immunogen :	Synthesized peptide derived from human AATC
Specificity :	This antibody detects endogenous levels of human AATC
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:50-200, WB 1:500-2000. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 42kD

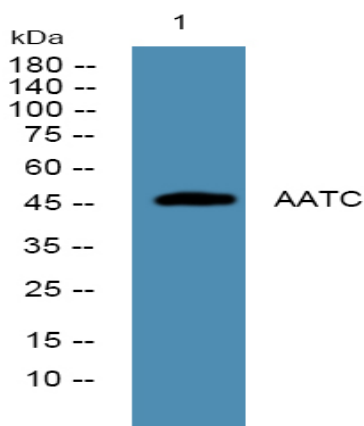
Background : Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. [provided by RefSeq, Jul 2008],

Function : catalytic activity:L-aspartate + 2-oxoglutarate = oxaloacetate + L-glutamate.,cofactor:Pyridoxal phosphate.,miscellaneous:In eukaryotes there are cytoplasmic, mitochondrial and chloroplastic isozymes.,similarity:Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family.,subunit:Homodimer.,

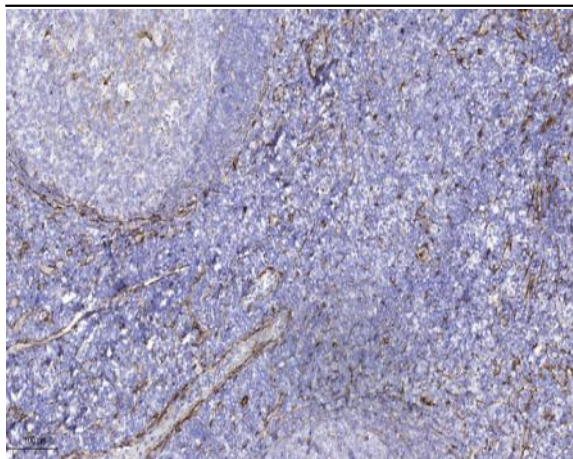
Subcellular Location : Cytoplasm .

Expression : Brain,Liver,Lung,

Products Images



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH 9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4° overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).