



AGT2 Polyclonal Antibody

Catalog No	YP-Ab-05297
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	AGXT2 AGT2
Immunogen	Synthesized peptide derived from human protein . at AA range: 340-420
Specificity	AGT2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	3A5B12;AGT 2;AGT2;Beta ALAAT II;D AIBAT;AGXT2 AGT2;Alanine--glyoxylate aminotransferase 2;mitochondrial (AGT 2) (EC 2.6.1.44) ((R)-3-amino-2-methylpropionate--pyruvate transaminase) (EC 2.6.1.40) (Beta-ALAAT II) (Beta-alanine-pyruvate aminotransferas
Observed Band	57 kDa
Calculated Molecular Weight	57 kDa
Cell Pathway	Mitochondrion .
Tissue Specificity	Kidney,
Function	catalytic activity:(R)-3-amino-2-methylpropanoate + pyruvate = 2-methyl-3-oxopropanoate + L-alanine.,catalytic activity:L-alanine + glyoxylate = pyruvate + glycine.,cofactor:Pyridoxal phosphate.,similarity:Belongs to the class-III pyridoxal-phosphate-dependent aminotransferase family.,subunit:Homotetramer.,
Background	The protein encoded by this gene is a class III pyridoxal-phosphate-dependent mitochondrial aminotransferase. It catalyzes the conversion of glyoxylate to glycine using L-alanine as the amino donor. It is an important regulator of methylarginines and is involved in the control of blood pressure in kidney.



Polymorphisms in this gene affect methylarginine and beta-aminoisobutyrate metabolism, and are associated with carotid atherosclerosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015],

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