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Goat anti-AADAT (int.) Antibody

Peptide-affinity purified goat antibody
Catalog # AF4339a

Product Information

Application	IHC, Pep-ELISA
Primary Accession	Q8N5Z0
Other Accession	NP_057312.1, NP_872603.1
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Clone Names	AADAT
Calculated MW	47352

Additional Information

Gene ID	51166
Other Names	AADAT; aminoadipate aminotransferase; KAT2; KATII; L kynurenine/alpha aminoadipate aminotransferase; L-kynurenine/alpha-aminoadipate aminotransferase; alpha-aminoadipate aminotransferase; kynurenine aminotransferase II
Dilution	IHC~~1:100~500 Pep-ELISA~~N/A
Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Immunogen	Both reported variants represent identical protein (NP_057312.1 and NP_872603.1).
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Goat anti-AADAT (int.) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	AADAT (HGNC:17929)
Function	Transaminase with broad substrate specificity. Has transaminase activity towards aminoadipate, kynurenine, methionine and glutamate. Shows activity also towards tryptophan, aspartate and hydroxykynurenine. Accepts a variety of oxo-acids as amino-group acceptors, with a preference for 2-oxoglutarate,

	2-oxocaproic acid, phenylpyruvate and alpha-oxo-gamma-methiol butyric acid. Can also use glyoxylate as amino-group acceptor (in vitro).
Cellular Location	Mitochondrion.
Tissue Location	Higher expression in the liver. Also found in heart, brain, kidney, pancreas, prostate, testis and ovary

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.