

Rabbit anti-Human ABAT Polyclonal Antibody | anti-ABAT antibody

ABAT Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327408	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ABAT; Polyclonal Antibody; ABAT Antibody; (S) 3 amino 2 methylpropionate transaminase; (S)-3-amino-2-methylpropionate transaminase; 4 aminobutyrate aminotransferase; mitochondrial; 4-aminobutyrate aminotransferase; FLJ17813; FLJ30272; GABA aminotransferase; GABA AT; GABA T; GABA transaminase; GABA transferase; GABA-AT; GABA-T; GABAT; GABT_HUMAN; Gamma amino N butyrate transaminase; Gamma-amino-N-butyrate transaminase; hCG1984265; L AIBAT; L-AIBAT; LAIBAT; NPD009; anti-ABAT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ABAT antibody detects endogenous levels of total ABAT
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	500
Applicable Applications for anti-ABAT antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ABAT
Subcellular Location	Mitochondrion Matrix.
Tissue Specificity	Liver > pancreas > brain > kidney > heart > placenta.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (90%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of ABAT using NIH-3T3 whole cell lysates



IF (Immunofluorescence)
AAA327408 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ABAT antibody	Function: Catalyzes the conversion of gamma-aminobutyrate and L-beta-aminoisobutyrate to succinate semialdehyde and methylmalonate semialdehyde, respectively. Can also convert delta-aminovalerate and beta-alanine. Subunit Structure: Homodimer; disulfide-linked. Similarity: Belongs to the class-III pyridoxal-phosphate-dependent aminotransferase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38679950
NCBI GeneID	18
NCBI Accession #	NP_000654.2
NCBI GenBank Nucleotide #	NM_000663.4
UniProt Accession #	P80404; Q16260; Q8N5W2; Q96BG2; Q99800; A8K386
Molecular Weight	Observed: 56 kDa Predicted: 57 kDa
NCBI Official Full Name	4-aminobutyrate aminotransferase, mitochondrial
NCBI Official Synonym Full Names	4-aminobutyrate aminotransferase
NCBI Official Symbol	ABAT
NCBI Official Synonym Symbols	GABAT; NPD009; GABA-AT
NCBI Protein Information	4-aminobutyrate aminotransferase, mitochondrial
UniProt Protein Name	4-aminobutyrate aminotransferase, mitochondrial
UniProt Gene Name	ABAT
UniProt Synonym Gene Names	GABAT; GABA-AT; GABA transaminase; GABA-T

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.