

Rabbit ABAT Polyclonal Antibody | anti-ABAT antibody

ABAT Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37614	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ABAT; Polyclonal Antibody; ABAT Polyclonal Antibody; GABAT; NPD009; GABA-AT; anti-ABAT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	500
Applicable Applications for anti-ABAT antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human ABAT
Calculated Molecular Weight	56kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



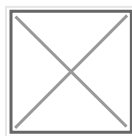
IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using ABAT antibody. Blue: DAPI for nuclear staining.



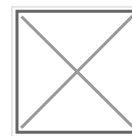
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human gastric cancer using ABAT antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver injury using ABAT antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using ABAT antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ABAT antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-ABAT antibody	4-aminobutyrate aminotransferase (ABAT) is responsible for catabolism of gamma-aminobutyric acid (GABA), an important, mostly inhibitory neurotransmitter in the central nervous system, into succinic semialdehyde. The active enzyme is a homodimer of 50-kD subunits complexed to pyridoxal-5-phosphate. The protein sequence is over 95% similar to the pig protein. GABA is estimated to be present in nearly one-third of human synapses. ABAT in liver and brain is controlled by 2 codominant alleles with a frequency in a Caucasian population of 0.56 and 0.44. The ABAT deficiency phenotype includes psychomotor retardation, hypotonia, hyperreflexia, lethargy, refractory seizures, and EEG abnormalities. Multiple alternatively spliced transcript variants encoding the same protein isoform have been found for this gene.
Product Categories/Family for anti-ABAT antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	48429239
NCBI GeneID	18
UniProt Accession #	P80404; Q16260; Q8N5W2; Q96BG2; Q99800; A8K386
Molecular Weight	500
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; GABA transferase; GABA transaminase; GABA aminotransferase; 4-aminobutyrate transaminase; gamma-amino-N-butyrate transaminase; (S)-3-amino-2-methylpropionate transaminase
UniProt Protein Name	4-aminobutyrate aminotransferase, mitochondrial
UniProt Gene Name	ABAT
UniProt Synonym Gene Names	GABAT; GABA-AT; GABA transaminase; GABA-T
UniProt Entry Name	GABT_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/abat-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/37614>