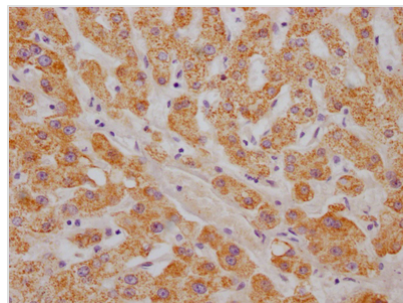




ABAT Antibody

Product Code	CSB-RA242969A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P80404
Immunogen	A synthesized peptide derived from human ABAT
Species Reactivity	Human
Tested Applications	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
Relevance	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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience; Cancer; Metabolism; Signal transduction
Gene Names	ABAT
Accession NO.	5B6

Image



IHC image of CSB-RA242969A0HU diluted at 1:100 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

ABAT, also known as GABA transaminase (GABA-T), is a synthetic and degradative enzyme that acts to conserve the GABA transmitter pool through both of its enzymatic functions. GABA-T is a particulate enzyme found in GABAergic neurons in high concentrations. During the developmental phase of plants, GABA-T plays an important regulatory role. It participates in the GABA



shunt route and is involved in the conversion of GABA to succinic semialdehyde (SSA), which is important for nitrogen metabolism during the senescence stage of the plant's life cycle.

Recombinant antibody-producing mammalian cell lines were generated by transfecting plasma vectors containing antibody light and heavy chains into mammalian cell lines cultivated in the medium. The recombinant antibody against ABAT was purified from the culture medium using Affinity-chromatography. It has been validated to detect ABAT protein from Human in the ELISA, IHC.