

anti- ABAT antibody

Product Information

Catalog No.:	FNab00026
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

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.

Immunogen information

Immunogen:	4-aminobutyrate aminotransferase
Synonyms:	ABAT, FLJ17813, GABA aminotransferase, GABA AT, GABA T, GABA transaminase, GABAT, L AIBAT
Observed MW:	49 kDa
Uniprot ID :	P80404

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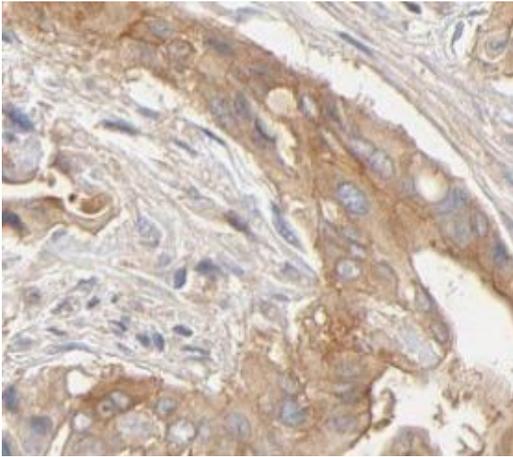
Application

Reactivity: Human, Mouse, Rat

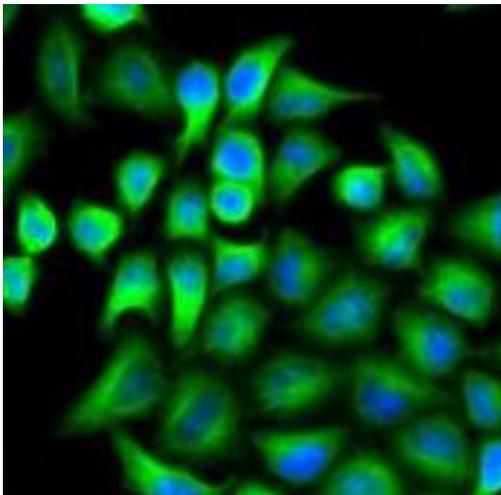
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200; IF: 1:50 - 1:200

Image:



Immunohistochemistry of paraffin-embedded human pancreas cancer using FNab00026(ABAT antibody) at dilution of 1:100



Immunofluorescence analysis of A549 cells using FNab00026(ABAT antibody). Blue: DAPI for nuclear staining.

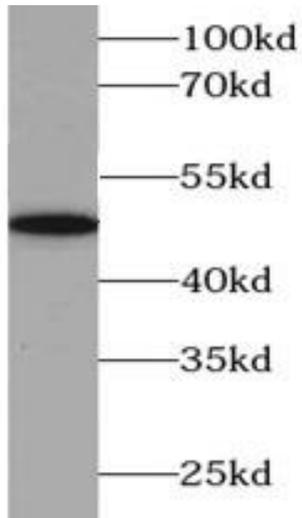
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human liver tissue were subjected to SDS PAGE followed by western blot with FNab00026(ABAT antibody) at dilution of 1:1000