

Datasheet for ABIN5699780 **anti-ABAT antibody**

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ABAT
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABAT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	4-aminobutyrate aminotransferase
Isotype:	IgG

Target Details

Target:	ABAT
Alternative Name:	ABAT (ABAT Products)
Background:	Synonyms: ABAT, FLJ17813, GABA aminotransferase, GABA AT, GABA T, GABA transaminase, GABAT, L AIBAT 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

Target Details

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.

Molecular Weight:	55kDa
Gene ID:	18
UniProt:	P80404
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	WB : 1:200-1:2000,IHC:1:20-1:200,IP:1:200-1:2000
Comment:	human liver tissue were subjected to SDS PAGE followed by western blot with FNab00026(ABAT antibody) at dilution of 1:300
Restrictions:	For Research Use only

Handling

Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze / thaw cycles.
Storage:	-20 °C
Expiry Date:	12 months