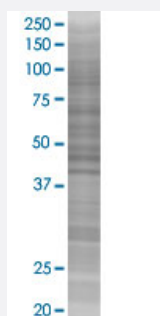


ABAT 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000018-T02

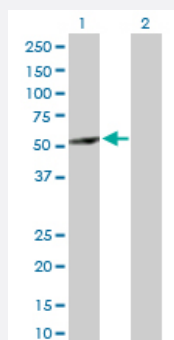
Size 100 uL

Applications



SDS-PAGE Gel

ABAT transfected lysate.



Western Blot

Lane 1: ABAT transfected lysate (56.40 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ABAT full-length
Host	Human
Theoretical MW (kDa)	56.4
Interspecies Antigen Sequence	Mouse (91); Rat (92)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ABAT antibody ([H00000018-D01P](#)) by Western Blots.
SDS-PAGE Gel
ABAT transfected lysate.
Western Blot
Lane 1: ABAT transfected lysate (56.40 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ABAT

Entrez GeneID[18](#)**GeneBank Accession#**[NM_000663.3](#)**Protein Accession#**[NP_000654.2](#)**Gene Name**

ABAT

Gene Alias

FLJ17813, GABA-AT, GABAT, NPD009

Gene Description

4-aminobutyrate aminotransferase

Omim ID[137150](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 co-dominant 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. [provided by RefSeq]

Other Designations

GABA aminotransferase|GABA transferase|gamma-amino-N-butyrate transaminase

Pathway

- [Alanine](#)
- [beta-Alanine metabolism](#)
- [Butanoate metabolism](#)
- [Metabolic pathways](#)
- [Propanoate metabolism](#)
- [Valine](#)

Disease

- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Dyskinesia](#)
- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)
- [Schizophrenia](#)
- [Social Perception](#)
- [Tobacco Use Disorder](#)