



Datasheet for ABIN7265336

anti-ABAT antibody

4 Images



[Go to Product page](#)

Overview

| | |
|--------------|---|
| Quantity: | 100 µL |
| Target: | ABAT |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Monoclonal |
| Conjugate: | This ABAT antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| | |
|-------------------|---|
| Purpose: | GABA transaminase (ABAT) Rabbit mAb |
| Immunogen: | A synthesized peptide derived from human GABA transaminase (GABA transaminase (ABAT)) |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Monoclonal Antibodies |
| Purification: | Affinity purification |

Target Details

| | |
|-------------------|---|
| Target: | ABAT |
| Alternative Name: | ABAT (ABAT Products) |
| Background: | 4-aminobutyrate aminotransferase (ABAT) is responsible for catabolism of gamma- |

Target Details

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. [provided by RefSeq, Jul 2008],GABA-AT, GABAT, NPD009,Amino acid metabolism,Cancer,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial metabolism_Mitochondrial markers,Neurodegenerative Diseases Markers,Neuroscience,Other Neurological disorders,Signal Transduction,ABAT

Molecular Weight: 50kDa

Gene ID: 18

UniProt: [P80404](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

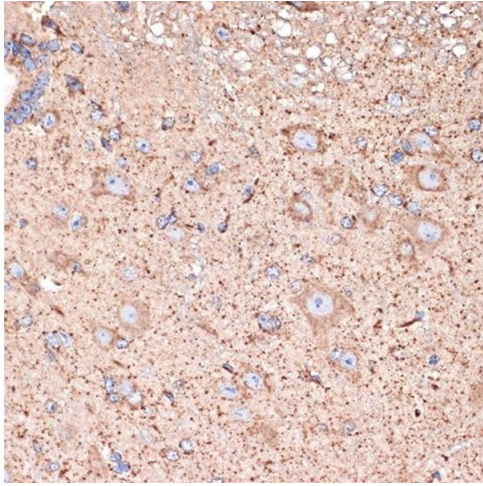
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

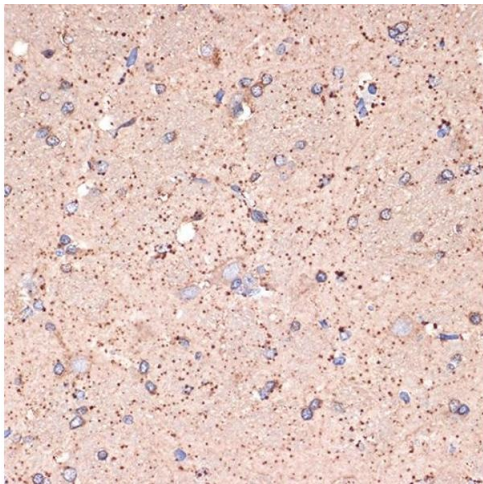
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



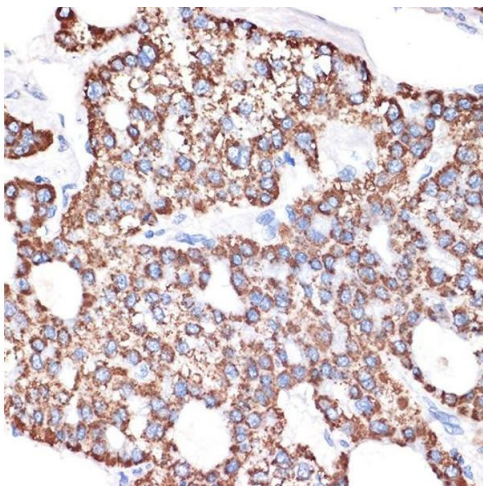
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse spinal cord using GABA transaminase (GABA transaminase (ABAT)) Rabbit mAb (ABIN7265336) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded rat brain using GABA transaminase (GABA transaminase (ABAT)) Rabbit mAb (ABIN7265336) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human liver cancer using GABA transaminase (GABA transaminase (ABAT)) Rabbit mAb (ABIN7265336) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7265336.