Datasheet for ABIN7261245

anti-ABAT antibody

6 Images

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Overview

Quantity:	200 µL
Target:	ABAT
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABAT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein of human ABAT (NP_001120920.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	ABAT
Alternative Name:	ABAT (ABAT Products)
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

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Target Details

	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.
Molecular Weight:	Observed_MW: 50 kDa Calculated_MW: 56 kDa
Gene ID:	18
UniProt:	P80404
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 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.

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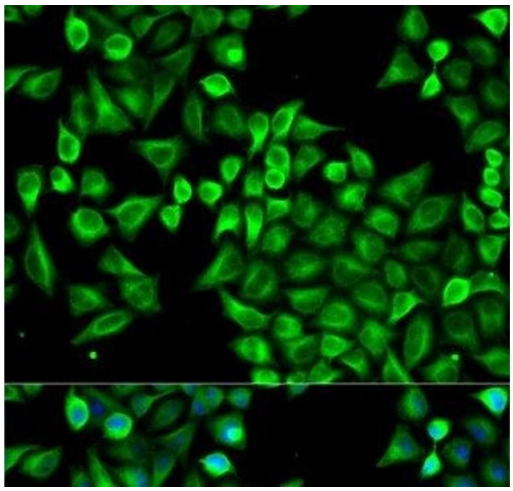
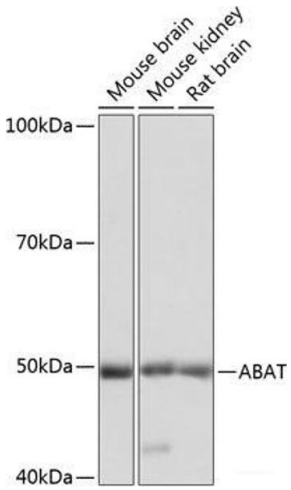


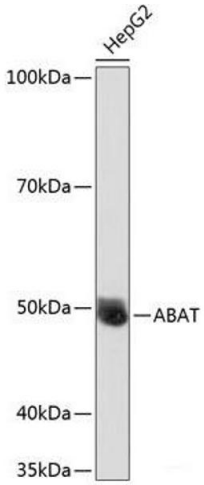
Immunofluorescence

Image 1. Immunofluorescence analysis of A549 cells using ABAT Polyclonal Antibody



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using ABAT Polyclonal Antibody at dilution of 1:1000.



Western Blotting

Image 3. Western blot analysis of extracts of HepG2 cells using ABAT Polyclonal Antibody at dilution of 1:1000.

Please check the product details page for more images. Overall 6 images are available for ABIN7261245.