

Recombinant

DGRmAb®

**ABAT (DGR13445) Rabbit mAb (PBS Only)**

db12293-PBS

Package : 100µg

**Product Name** : ABAT (DGR13445) Rabbit mAb (PBS Only)**Cat.No.:** db12293-PBS**Synonyms** : GABAT; NPD009; GABA-AT**Application** : WB, IHC-P, IP**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**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. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human ABAT

**Gene ID**

18

**Swiss Prot**

P80404

**Synonyms**

GABAT; NPD009; GABA-AT

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, IP

**Recommended dilution**WB: 1:2000-1:20000  
IHC-P: 1:200-1:1000  
IP: 1:10-1:100**Calculated MW**

56 kDa

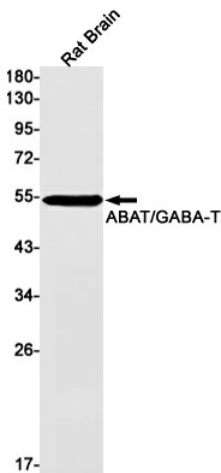
**Observed MW**

56 kDa

**Host species**

Rabbit

Clonality	Monoclonal
Clonality No.	DGR13445
Isotype	IgG
Purity	Affinity Purification
Conjugation	PBS Only
Concentration	1mg/mL
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot detection of ABAT/GABA-T in Rat Brain lysates using ABAT/GABA-T antibody(1:1000 diluted).