Recombinant DGRmAb®

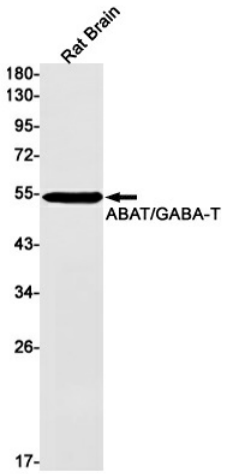
ABAT (DGR13445) Rabbit mAb

db12293 **Package : 10μL 20μL 50μL 100μL**

Product Name : ABAT (DGR13445) Rabbit mAb
Cat.No.: db12293
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	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. 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).