



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

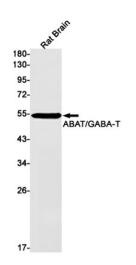
Isotype IgG

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).