

Anti-ABAT Polyclonal Antibody

Cat: K107878P

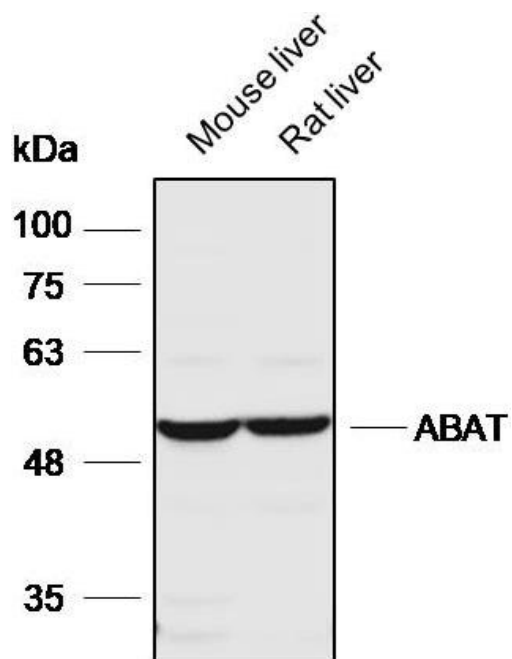
Summary:

【Product name】 : Anti-ABAT antibody	【Source】 : Rabbit
【Isotype】 : IgG	【Species reactivity】 : Human Mouse Rat
【Swiss Prot】 : P80404	【Gene ID】 : 18
【Calculated】 : MW:56kDa	【Observed】 : MW:53kDa
【Purification】 : Affinity purification	
【Tested applications】 : WB	
【Recommended dilution】 : WB 1:1000-3000.	
【WB Positive sample】 : Mouse liver,Rat liver	
【Subcellular location】 : Cytoplasm	
【Immunogen】 : Recombinant protein of human ABAT	
【Storage】 : Shipped at 4°C. Upon delivery aliquot and store at -20°C	

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.

Verified picture



Western blot analysis with ABAT antibody diluted at 1:2000; Lane: Mouse liver, Rat liver