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ACHE Polyclonal Antibody

Catalog No.	E-AB-70014	**Reactivity**	M,R
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images

Western Blot analysis of various samples using ACHE Polyclonal Antibody at dilution of 1:750.

Immunogen Information

Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse AChE
Swissprot	P21836,P37136
Synonyms	AChE, acetylhydrolase, acetylcholinesteraseACEE, ARN-YT, acetylcholinesterase

Product Information

Calculated MW	68kDa
Observed MW	68kDa
Buffer	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4
Purify	Affinity purification
Dilution	WB 1:500-1:2000

Background

Acetylcholinesterase hydrolyzes the neurotransmitter, acetylcholine at neuromuscular junctions and brain cholinergic synapses, and thus terminates signal transmission. It is also found on the red blood cell membranes, where it constitutes the Yt blood group antigen. Acetylcholinesterase exists in multiple molecular forms which possess similar catalytic properties, but differ in their oligomeric assembly and mode of cell attachment to the cell surface. It is encoded by the single ACHE gene, and the structural diversity in the gene products arises from alternative mRNA splicing, and post-translational associations of catalytic and structural subunits. The major form of acetylcholinesterase found in brain, muscle and other tissues is the hydrophilic species, which forms disulfide-linked oligomers with collagenous, or lipid-containing structural subunits.