

Anti-Acetylcholinesterase Antibody

Catalog # AP95643

Product Information

Application	WB, IHC, FC
Primary Accession	P22303
Reactivity	Human, Mouse, Rat, Mk
Host	Mouse
Clonality	Monoclonal
Calculated MW	67796

Additional Information

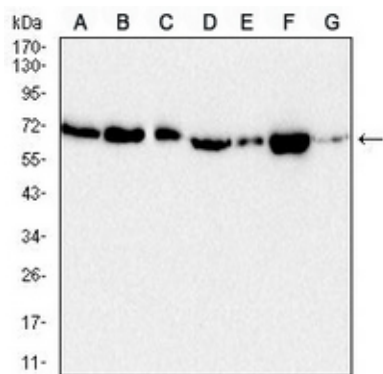
Gene ID	43
Other Names	Acetylcholinesterase; AChE
Target/Specificity	Recombinant fusion protein of human Acetylcholinesterase expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

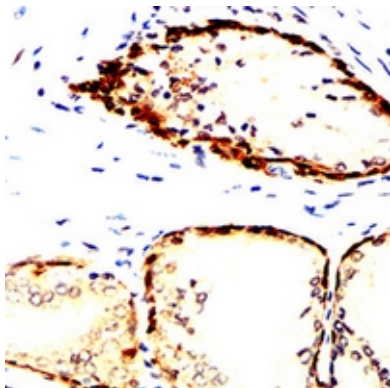
Name	ACHE (HGNC:108)
Function	Hydrolyzes rapidly the acetylcholine neurotransmitter released into the synaptic cleft allowing to terminate the signal transduction at the neuromuscular junction. Role in neuronal apoptosis.
Cellular Location	Synapse. Secreted. Cell membrane; Peripheral membrane protein [Isoform H]: Cell membrane; Lipid- anchor, GPI-anchor; Extracellular side
Tissue Location	Isoform H is highly expressed in erythrocytes.

Images

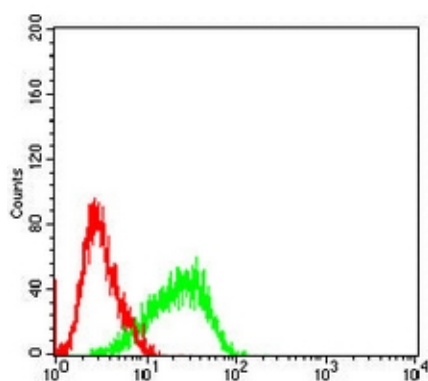
Western blot analysis of Acetylcholinesterase expression in PC12 (A), Hela (B), mouse brain (C), NIH/3T3 (D), COS7 (E), Jurkat (F), Raji (G) whole cell lysates. (Predicted band



size: 68 kD; Observed band size: 72 kD)



Immunohistochemical analysis of Acetylcholinesterase staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of NIH/3T3 cells using Anti-Acetylcholinesterase Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.