

产品名称: ACHE Mouse Monoclonal Antibody
产品货号: AMM82940



产品概述 (Summary)

产品名称 (Production Name)	ACHE Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,FC
种属反应性 (Reactivity)	Human, Mouse, Monkey, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ACHE
别名 (Alternative Names)	YT; ACEE; ARACHE; N-ACHE
基因 ID (Gene ID)	43.0
蛋白 ID (SwissProt ID)	P22303.Purified recombinant fragment of human ACHE expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	67.8kDa

研究背景 (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

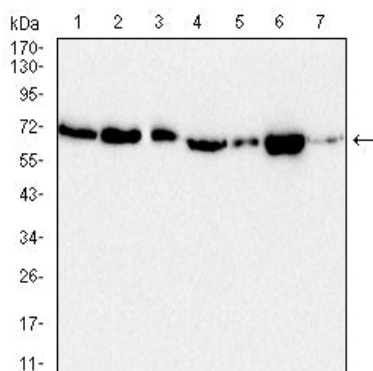
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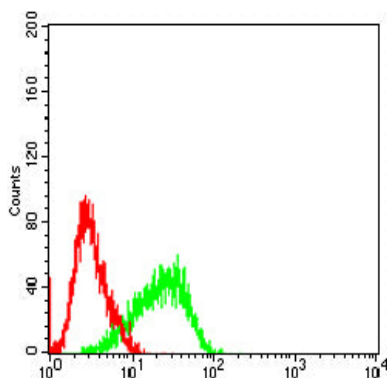
the Yt blood group antigen. Acetylcholinesterase exists in multiple molecular forms which possess similar catalytic properties, but differ in their oligomeric assembly and mode of cell attachment to the cell surface. It is encoded by the single ACHE gene, and the structural diversity in the gene products 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. The other, alternatively spliced form, expressed primarily in the erythroid tissues, differs at the C-terminal end, and contains a cleavable hydrophobic peptide with a GPI-anchor site. It associates with the membranes through the phosphoinositide (PI) moieties added post-translationally. AChE activity may constitute a sensitive biomarker of RBC ageing in vivo, and thus, may be of aid in understanding the effects of transfusion.

研究领域 (Research Area)

图片 (Image Data)

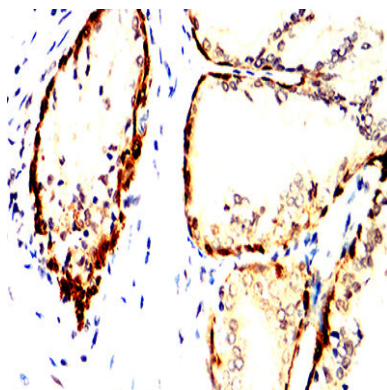


Western blot analysis using ACHE mouse mAb against PC-12 (1), Hela (2), mouse brai (3), NIH/3T3 (4), COS7 (5), Jurkat (6) and Raji (7) cell lysate.

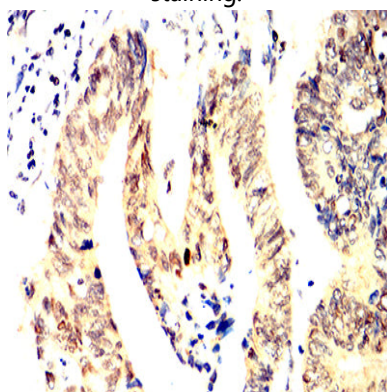


Flow cytometric analysis of NIH/3T3 cells using ACHE mouse mAb (green) and negative control (red).

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Immunohistochemical analysis of paraffin-embedded human prostate cancer tissues using ACHE mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using ACHE mouse mAb with DAB staining.

注意事项 (Note)

For research use only .