DATASHEET

Acetylcholinesterase Mouse Monoclonal Antibody(C2486)

CAT. NO. AMA02098

KEY FEATURES

Target	Acetylcholinesterase	Source / Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey	Clonality	Monoclonal
Applications	WB, IHC, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Hydrolyzes rapidly the acetylcholine neurotransmitter released into the synaptic cleft allowing to terminate the signal transduction at the neuromuscular junction. Role in neuronal apoptosis.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:500
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to Acetylcholinesterase
Specificity	Recognizes endogenous levels of Acetylcholinesterase protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Acetylcholinesterase expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 68 kD; Observed: 72 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Acetylcholinesterase; AChE
Gene Symbol	ACHE
Entrez Gene	43(Human); 11423(Mouse); 83817(Rat)
SwissProt	P22303(Human); P21836(Mouse); P37136(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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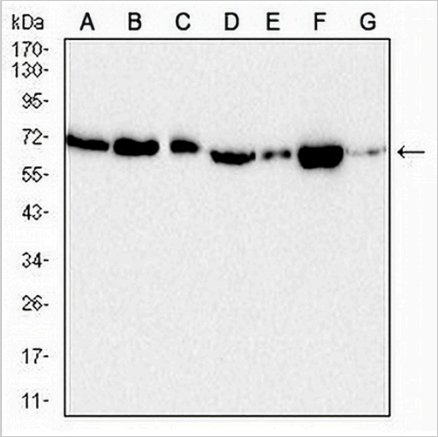
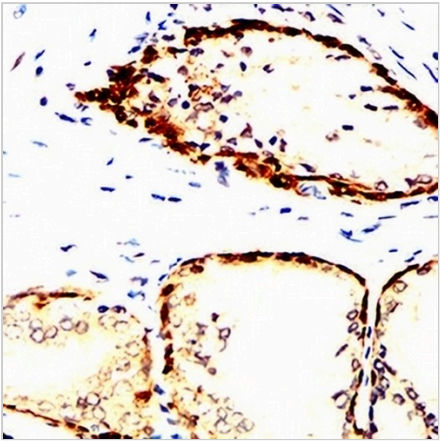
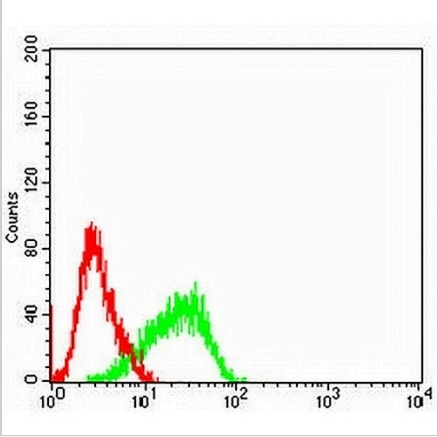


Western blot analysis of Acetylcholinesterase expression in PC12 (A), Hela (B), mouse brain (C), NIH/3T3 (D), COS7 (E), Jurkat (F), Raji (G) whole cell lysates. (Predicted band size: 68 kD; Observed band size: 72 kD kD)



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).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.