

Mouse anti-Human AChE Monoclonal Antibody | anti-AChE antibody

AChE antibody

CATALOG # AAA74434	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

AChE; Monoclonal Antibody; AChE antibody; Monoclonal AChE; Anti-AChE; Acetylcholinesterase; anti-AChE antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	HR2
Specificity	Human
Form/Format	PBS with 0.05% NaN ₃ .
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	614
Applicable Applications for anti-AChE antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Biological Significance	Acetylcholinesterase, also known as AChE, is an enzyme responsible for the hydrolytic degradation of the neurotransmitter acetylcholine, producing choline and an acetate group. AChE is found at neuromuscular junctions and cholinergic nervous system, where its activity serves to terminate synaptic transmission.
Cross-Reactivity	Bovine, cat, guinea pig, human, rabbit
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.
Immunogen	AChE antibody was raised in mouse using purified human cerebellar acetylcholinesterase as the immunogen.
Preparation and Storage	Aliquot and store at -20 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry was performed on normal deparaffinized human Cerebellum tissue. Tissues were then probed at a dilution of 1:50 with AChE antibody or without (negative control).



IHC (Immunohistochemistry)

Immunohistochemistry was performed on normal deparaffinized human Rectum tissue. Tissues were then probed at a dilution of 1:20 with AChE antibody or without (negative control).



IHC (Immunohistochemistry)

Immunohistochemistry was performed on normal deparaffinized human brain tissue. Tissues were then probed at a dilution of 1:200 with AChE antibody or without (negative control).

ADDITIONAL INFORMATION

Related Product Information for anti-AChE antibody	Mouse monoclonal AChE antibody
Product Categories/Family for anti-AChE antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	177975
NCBI GeneID	43
UniProt Accession #	P22303; Q16169; Q29S23; Q2M324; Q504V3; Q53F46; Q86TM9; Q86YX9; Q9BXP7; A4D2E2; B7ZKZ0; D6W5X7
Molecular Weight	58,352 Da
NCBI Official Full Name	acetylcholinesterase
NCBI Official Synonym Full Names	acetylcholinesterase (Yt blood group)
NCBI Official Symbol	ACHE
NCBI Official Synonym Symbols	YT; ACEE; ARACHE; N-ACHE
NCBI Protein Information	acetylcholinesterase
UniProt Protein Name	Acetylcholinesterase
UniProt Gene Name	ACHE
UniProt Synonym Gene Names	AChE
UniProt Entry Name	ACES_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/ache-antibody-clone-hr2-immunoprecipitation-immunohistochemistry-elisa/74434>