

Product Datasheet

Acetylcholinesterase/ACHE Antibody NB100-1519

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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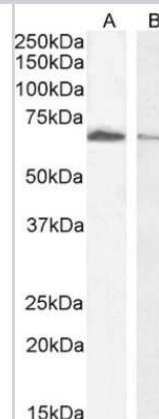
NB100-1519**Acetylcholinesterase/ACHE Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Product Description	
Host	Goat
Gene ID	43
Gene Symbol	ACHE
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported from a verified customer review.
Marker	Early Neuronal Development Marker
Specificity/Sensitivity	This antibody is expected to recognise isoform NP_000656.1 only (the ubiquitously expressed, hydrophilic form).
Immunogen	Peptide with sequence QFDHYSKQDRCSL corresponding to C-Terminus according to NP_000656.1.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Peptide ELISA, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 0.3 - 1 ug/mL, Flow Cytometry 10 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Peptide ELISA Detection limit 1:32000, Immunohistochemistry Free-Floating
Application Notes	This Acetylcholinesterase/ACHE antibody is validated for IHC-FrFI from a verified customer review.

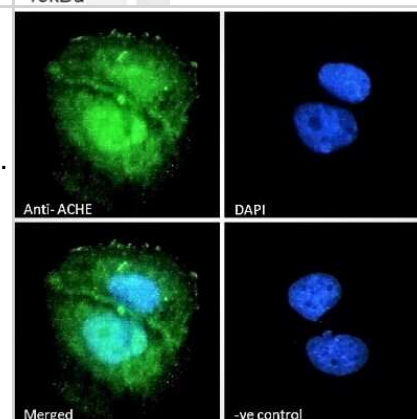


Images

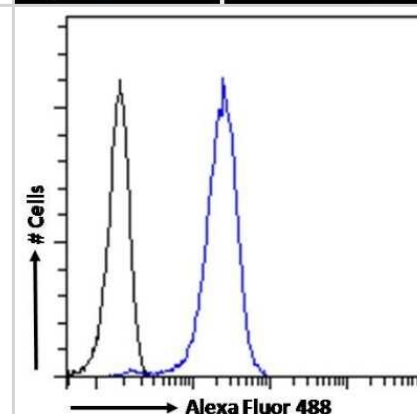
Western Blot: Acetylcholinesterase/ACHE Antibody [NB100-1519] - Staining (0.3ug/ml) of Jurkat (A) and (0.5ug/ml) HepG2 (B) cell lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



Immunocytochemistry/Immunofluorescence: Acetylcholinesterase/ACHE Antibody [NB100-1519] - Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear, membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Flow Cytometry: Acetylcholinesterase/ACHE Antibody [NB100-1519] - Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Publications

Cottingham MG, Voskuil JL, Vaux DJ. The intact human acetylcholinesterase C-terminal oligomerization domain is alpha-helical in situ and in isolation, but a shorter fragment forms beta-sheet-rich amyloid fibrils and protofibrillar oligomers. *Biochemistry* 2003-09-16 [PMID: 12962511]



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Products Related to NB100-1519

NB820-59177	Human Brain Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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