Product Datasheet

Acetylcholinesterase/ACHE Antibody (HR2) - BSA Free
NB300-528

Unit Size: 200 uL

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

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Publications: 1

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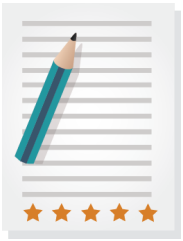
Updated 9/9/2025 v.20.1



NB300-528

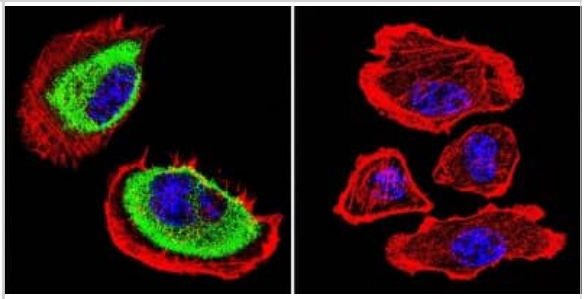
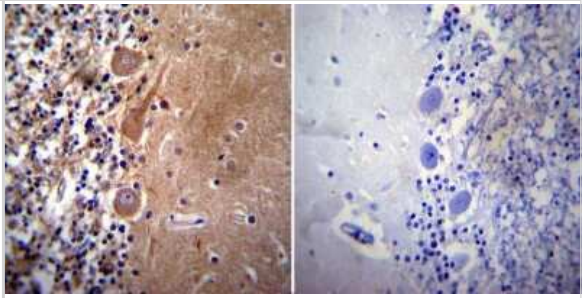
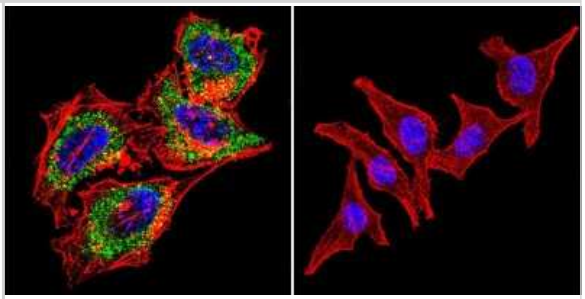
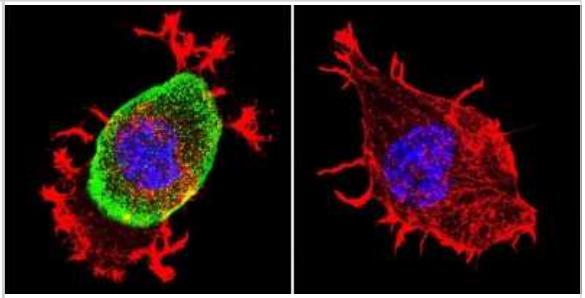
Acetylcholinesterase/ACHE Antibody (HR2) - BSA Free

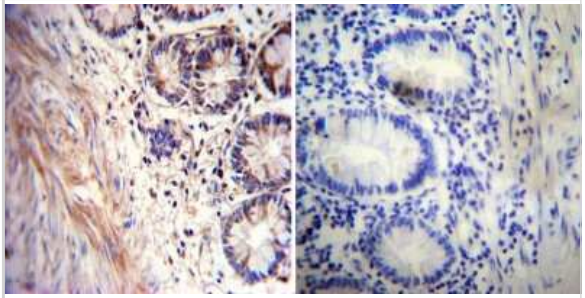
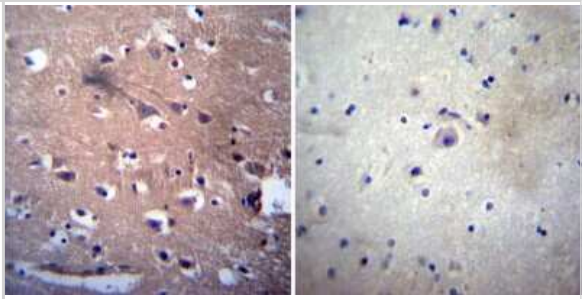
Product Information	
Unit Size	200 uL
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	HR2
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Purity	Protein A purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse Acetylcholinesterase/ACHE Antibody (HR2) - BSA Free (NB300-528) is a monoclonal antibody validated for use in IHC, ELISA, ICC/IF and IP. Anti-Acetylcholinesterase/ACHE Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	43
Gene Symbol	ACHE
Species	Human, Bovine, Feline, Rabbit, Mouse (Negative), Rat (Negative)
Reactivity Notes	No cross-reactivity with Frog.
Marker	Early Neuronal Development Marker
Specificity/Sensitivity	This antibody does not detect butyrylcholinesterase (BChE).
Immunogen	Purified human cerebellar acetylcholinesterase.

Product Application Details	
Applications	Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	ELISA 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:100 - 1:1000, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10 - 1:500, Immunohistochemistry-Frozen 1:50
Application Notes	IHC: Staining of AChE in human brain samples results in staining of nerve fibers and terminals. Cannot be used in WB to detect AChE. Not suitable for Flow.

Images

Immunocytochemistry/Immunofluorescence: Acetylcholinesterase/ACHE Antibody (HR2) [NB300-528] - Analysis of Acetylcholinesterase using Anti-Acetylcholinesterase Monoclonal Antibody (HR2) shows staining in U251 Cells. Acetylcholinesterase staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Acetylcholinesterase at a dilution of 1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.	
Immunohistochemistry-Paraffin: Acetylcholinesterase/ACHE Antibody (HR2) [NB300-528] - Both normal and cancer biopsies of deparaffinized human Cerebellum tissue.	
Immunocytochemistry/Immunofluorescence: Acetylcholinesterase/ACHE Antibody (HR2) [NB300-528] - Analysis of Acetylcholinesterase using Anti-Acetylcholinesterase Monoclonal Antibody (HR2) shows staining in Hela Cells. Acetylcholinesterase staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Acetylcholinesterase at a dilution of 1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.	
Immunocytochemistry/Immunofluorescence: Acetylcholinesterase/ACHE Antibody (HR2) [NB300-528] - Analysis of Acetylcholinesterase using Anti-Acetylcholinesterase Monoclonal Antibody (HR2) shows staining in Neuro-2a Cells. Acetylcholinesterase staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Acetylcholinesterase at a dilution of 1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.	

Immunohistochemistry-Paraffin: Acetylcholinesterase/ACHE Antibody (HR2) [NB300-528] - Both normal and cancer biopsies of deparaffinized human Rectum tissue.	
Immunohistochemistry-Paraffin: Acetylcholinesterase/ACHE Antibody (HR2) [NB300-528] - Both normal and cancer biopsies of deparaffinized human Brain tissue.	

Publications

Zeineh MM, Chen Y, Kitzler HH et al. Activated iron-containing microglia in the human hippocampus identified by magnetic resonance imaging in Alzheimer disease. Neurobiol Aging 2015-09-01 [PMID: 26190634] (Human)

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Products Related to NB300-528

NBL1-07238	Acetylcholinesterase/ACHE Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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