



Datasheet for ABIN392325

## anti-Acetylcholinesterase antibody (N-Term)



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### 4 Images

#### Overview

Quantity:	400 µL
Target:	Acetylcholinesterase (AChE)
Binding Specificity:	AA 147-175, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

#### Product Details

Immunogen:	This ACHE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-175 amino acids from the N-terminal region of human ACHE.
Clone:	RB16792
Isotype:	Ig Fraction
Predicted Reactivity:	Gp
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

#### Target Details

Target:	Acetylcholinesterase (AChE)
Alternative Name:	ACHE ( <a href="#">AChE Products</a> )

## Target Details

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Background:	Acetylcholinesterase hydrolyzes the neurotransmitter, acetylcholine at neuromuscular junctions and brain cholinergic synapses, and thus terminates signal transmission. The Protein is also found on the red blood cell membranes, where it constitutes 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. 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.
Molecular Weight:	67796
Gene ID:	43
NCBI Accession:	<a href="#">NP_000656</a> , <a href="#">NP_001269378</a> , <a href="#">NP_056646</a>
UniProt:	<a href="#">P22303</a>
Pathways:	<a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

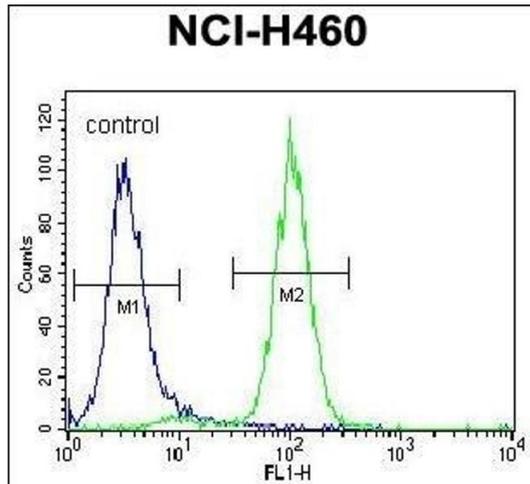
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Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

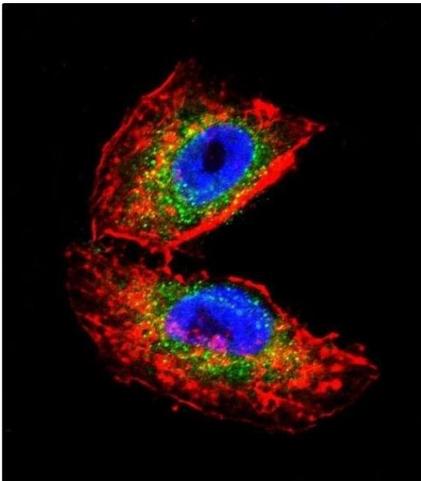
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Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



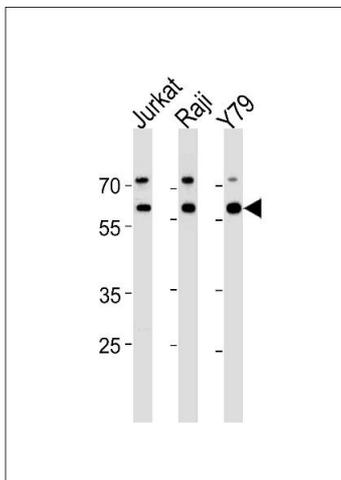
### Flow Cytometry

**Image 1.** ACHE Antibody (N-term) (ABIN392325 and ABIN2841973) flow cytometric analysis of NCI- cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



### Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of ACHE Antibody (N-term) (ABIN392325 and ABIN2841973) with NCI- cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



### Western Blotting

**Image 3.** ACHE Antibody (N-term) (ABIN392325 and ABIN2841973) western blot analysis in Jurkat, Raji, Y79 cell line lysates (35 µg/lane). This demonstrates the ACHE antibody detected the ACHE protein (arrow).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN392325.