

Datasheet for ABIN5647480

anti-Acetylcholinesterase antibody (AA 147-175)**3** Images[Go to Product page](#)

Overview

Quantity:	0.08 mL
Target:	Acetylcholinesterase (AChE)
Binding Specificity:	AA 147-175
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Acetylcholinesterase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 147-175 from the human protein was used as the immunogen for this Acetylcholinesterase antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Guinea pig
Purification:	Purified

Target Details

Target:	Acetylcholinesterase (AChE)
Alternative Name:	Acetylcholinesterase / ACHE (AChE Products)

Target Details

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.

UniProt: [P22303](#)

Pathways: [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Western blot: 1:1000,IHC (Paraffin): 1:10-1:50,Flow Cytometry: 1:10-1:50,Immunofluorescence: 1:10-1:50

Restrictions: For Research Use only

Handling

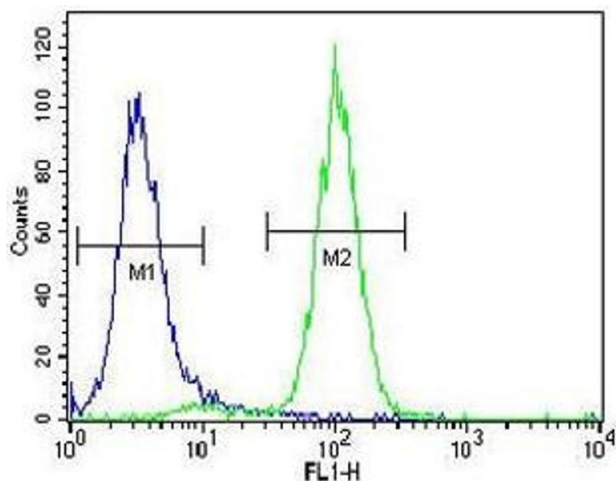
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

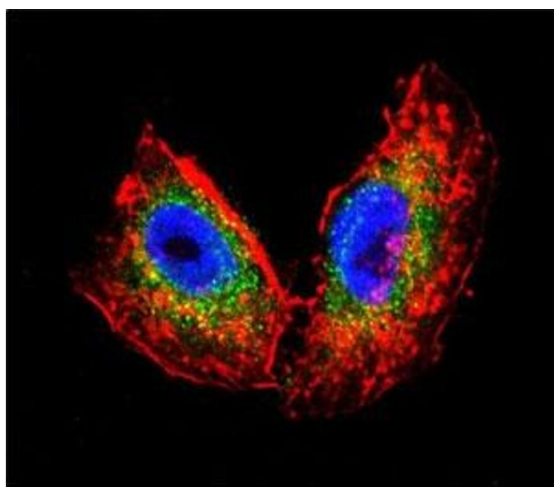
Storage: -20 °C

Storage Comment: Aliquot the Acetylcholinesterase antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



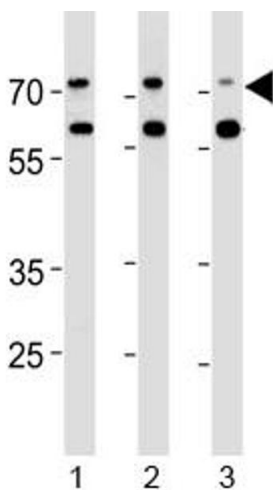
Flow Cytometry

Image 1. Acetylcholinesterase antibody flow cytometric analysis of human NCI-H460 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of Acetylcholinesterase antibody with human NCI-H460 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments labeled with Alexa Fluor 555 Phalloidin (red). DAPI used as a nuclear counterstain (blue).



Western Blotting

Image 3. Acetylcholinesterase antibody western blot analysis in human 1) Jurkat, 2) Raji and 3) Y79 lysate. Predicted molecular weight ~68 kDa with a possible ~58 kDa isoform.