

Product datasheet

Anti-Acetylcholinesterase antibody [AE-2] ab77959

[1 Abreviews](#) [1 Image](#)

Overview

Product name	Anti-Acetylcholinesterase antibody [AE-2]
Description	Mouse monoclonal [AE-2] to Acetylcholinesterase
Tested applications	Suitable for: Flow Cyt, WB, IP, IHC-FoFr
Species reactivity	Reacts with: Rat, Human, Monkey
Immunogen	Full length native Acetylcholinesterase protein (purified from Human erythrocyte)
Positive control	SKBR-3 cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Sodium Azide Constituents: Ascites, 0.25M Sodium chloride, 0.02M PBS, pH 7.2
Purity	Ascites
Clonality	Monoclonal
Clone number	AE-2
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab77959** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

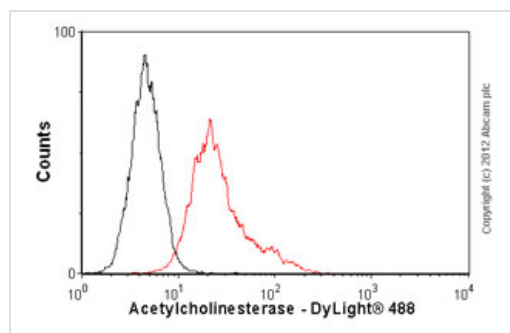
Application	Abreviews	Notes
Flow Cyt		1/100. ab170190 -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		1/500 - 1/1000. Predicted molecular weight: 68 kDa.
IP		Use at an assay dependent concentration.

Application	Abreviews	Notes
IHC-FoFr		1/200 - 1/1000. Does not react with fixed tissue; add antibody to perfused but unfixed tissue, then fix after primary incubation.

Target

Function	Terminates signal transduction at the neuromuscular junction by rapid hydrolysis of the acetylcholine released into the synaptic cleft. Role in neuronal apoptosis.
Tissue specificity	Isoform H is highly expressed in erythrocytes.
Sequence similarities	Belongs to the type-B carboxylesterase/lipase family.
Cellular localization	Cell membrane; Cell junction > synapse. Secreted. Cell membrane and Nucleus. Only observed in apoptotic nuclei.

Images



Flow Cytometry-Anti-Acetylcholinesterase antibody [AE-2](ab77959)

Overlay histogram showing HeLa cells stained with ab77959 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab77959, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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