

ACHE Antibody

ACHE, YT, acetylcholinesterase (YT blood group)

CATALOG NO.: 45-193

HOST:

Goat

CLONALITY:

Polyclonal

INFORMATION:

ACHE Antibody. This antibody is expected to recognise isoform NP_000656 only (the ubiquitously expressed, hydrophilic form).

SOURCE:

ACHE antibody was raised against a synthetic peptide of ACHE.

PROTEIN ACCESSION NUMBER(S) :

NP_000656.1

SPECIES REACTIVITY:

Human, Rat, Mouse, Cat, Rabbit

TESTED APPLICATION:

WB, E

APPLICATION:

Peptide ELISA: antibody detection limit dilution 1:64,000.
Western Blot: Approx 70kDa band observed in Human Brain (Cerebellum and Hippocampus) lysates (calculated MW of 67.8kDa according to NP_000656.1). Recommended concentration: 0.3-1µg/ml. An additional band of 150kDa was consistently observed, however this band was not blocked by the immunizing peptide and it is therefore a non-specific signal. We call for caution when used for other assays than Western blot.

PURIFICATION:

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

BUFFER:

0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.



Western blot analysis of ACHE in Human Brain

(Hippocampus) lysate (35µg protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide using ACHE antibody (0.3µg/ml).

STORAGE:

Aliquot and store at -20°C. Minimize freezing and thawing.

REFERENCE:

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*.

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.