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EB06659 - Goat Anti-ACHE Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: ACHE, YT, acetylcholinesterase (YT blood group), ARACHE, N-ACHE, OTTHUMP00000211347, OTTHUMP00000211349, OTTHUMP00000211356, acetylcholinesterase; apoptosis-related acetylcholinesterase
Official Symbol: ACHE
Accession Number(s): NP_000656.1; NP_001269378.1
Human GeneID(s): 43
Important Comments: This antibody is expected to recognise isoform NP_000656.1 only (the ubiquitously expressed, hydrophillic form).

Immunogen

Peptide with sequence QFDHYSKQDRCSDL, from the C Terminus of the protein sequence according to NP_000656.1; NP_001269378.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Approx 70kDa band observed in HepG2 and Jurkat cell lysates (calculated MW of 67.8kDa according to NP_000656.1). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm, plasma membrane and nucleus of U2OS cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Rat, Mouse

EB06659 (0.3µg/ml) staining of Jurkat (A) and (0.5ug/ml) HepG2 (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06659 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear, membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB06659 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.