

#### **UK Office**

#### **Everest Biotech Ltd**

Cherwell Innovation Centre

77 Heyford Park Upper Heyford Oxfordshire OX25 5HD UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326 Fax: +44 (0)1869 238327

#### **US Office**

#### **Everest Biotech c/o Abcore**

405 Maple Street, Suite A106 Ramona,

CA 92065 USA

Inquiries:

info@everestbiotech.com

Sales:

 $\underline{usasales@everest biotech.com}$ 

Tech support:

support@everestbiotech.com

Tel: 888-320-4628 (toll-free) Fax: 888-841-9041

www.everestbiotech.com

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# EB07245 - Goat Anti-Amphiphysin / AMPH Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

Principal Names: AMPH, amphiphysin, amphiphysin (Stiff-Man syndrome with breast

cancer 128kDa autoantigen), HGNC:471, AMPH1

Official Symbol: AMPH

Accession Number(s): NP\_001626.1; NP\_647477.1

Human GeneID(s): 273

Non-Human GenelD(s): 218038 (mouse)

Important Comments: This antibody is expected to recognise both reported isoforms

(NP\_001626.1 and NP\_647477.1).

## **Immunogen**

Peptide with sequence C-KRKDESRISKAE, from the internal region of the protein sequence according to NP\_001626.1; NP\_647477.1.

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**

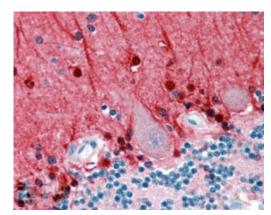
Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Approx 125kDa band observed in mouse brain lysates (calculated MW of 76.3kDa according to NP\_001626.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Wigge et al, Mol Biol Cell. 1997 Oct;8(10):2003-15.; PMID: 9348539). Recommended concentration: 0.1-0.5µg/ml. A minor band of unknown identity was also consistently observed at 45kDa. This band was successfully blocked by incubation with the immunising peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported? IHC: In paraffin embedded Human Cerebellum shows nuclear and fibrous staning. Recommended concentration, 2-4µg/ml.

# **Species Reactivity**

Tested: Human, Mouse

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



EB07245 ( $2.5\mu g/ml$ ) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB07245 ( $0.5\mu g/ml$ ) staining of mouse brain lysate ( $35\mu g$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.