

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07245-T - Goat Anti-Amphiphysin / AMPH Antibody - Trial

Size: 20µg specific antibody in 40µl



### 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 GeneID(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.

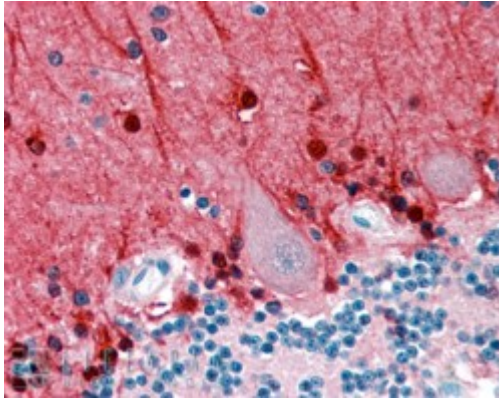
**Western blot:** Approx 125kDa band observed in mouse brain lysates (calculated MW of 76.3kDa according to NP\_001626.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Wigge et al, Mol Biol Cell. 1997 Oct;8(10):2003-15.; PMID: 9348539). Recommended 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 staining. Recommended concentration, 2-4µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

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



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



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