

## Goat anti-Amphiphysin / AMPH Antibody

<b>Item Number</b>	dAP-0851
<b>Target Molecule</b>	Principle Name: Amphiphysin / AMPH; Official Symbol: AMPH; All Names and Symbols: AMPH; amphiphysin; amphiphysin (Stiff-Man syndrome with breast cancer 128kDa autoantigen) ; HGNC:471; AMPH1; Accession Number (s): NP_001626.1; NP_647477.1; Human Gene ID(s): 273; Non-Human GeneID(s): 218038 (mouse)
<b>Immunogen</b>	KRKDESRISKAE, is from internal region This antibody is expected to recognise both reported isoforms (NP_001626.1 and NP_647477.1).
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Human, Mouse
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 16000.
<b>Western Blot</b>	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
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Cerebellum shows nuclear and fibrous staining. Recommended concentration, 2-4µg/ml.
<b>Reference</b>	Reference(s): Sommer C, Weishaupt A, Brinkhoff J, Biko L, Wessig C, Gold R, Toyka KV. Paraneoplastic stiff-person syndrome: passive transfer to rats by means of IgG antibodies to amphiphysin. Lancet. 2005 Apr;365(9468):1406-11. .PMID: 15836889 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**