

**Goat Anti-Amphiphysin / AMPH Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1060a

**Specification**

---

**Goat Anti-Amphiphysin / AMPH Antibody - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">P49418</a>
Other Accession	<a href="#">NP_647477</a> , <a href="#">273</a> , <a href="#">218038 (mouse)</a>
Reactivity	Human, Mouse
Predicted	Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	76257

**Goat Anti-Amphiphysin / AMPH Antibody - Additional Information**

**Gene ID** 273

**Other Names**

Amphiphysin, AMPH, AMPH1

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-Amphiphysin / AMPH Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-Amphiphysin / AMPH Antibody - Protein Information**

**Name** AMPH

**Synonyms** AMPH1

**Function**

May participate in mechanisms of regulated exocytosis in synapses and certain endocrine cell types. May control the properties of the membrane associated cytoskeleton.

**Cellular Location**

Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Peripheral membrane protein; Cytoplasmic side Cytoplasm, cytoskeleton

#### Tissue Location

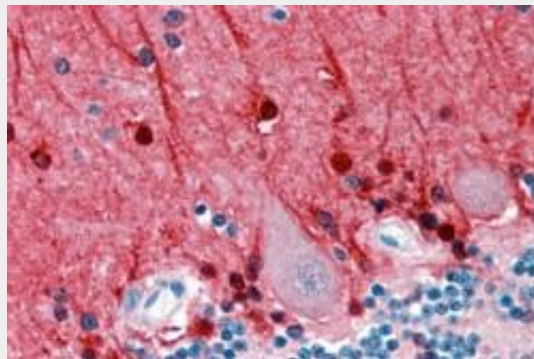
Neurons, certain endocrine cell types and spermatocytes

#### Goat Anti-Amphiphysin / AMPH Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Goat Anti-Amphiphysin / AMPH Antibody - Images



AF1060a (2.5  $\mu\text{g/ml}$ ) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AF1060a (0.5  $\mu\text{g/ml}$ ) staining of mouse brain lysate (35  $\mu\text{g}$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### Goat Anti-Amphiphysin / AMPH Antibody - Background

This gene encodes a protein associated with the cytoplasmic surface of synaptic vesicles. A subset of patients with stiff-man syndrome who were also affected by breast cancer are positive for autoantibodies against this protein. Alternate splicing of this gene results in two transcript variants encoding different isoforms. Additional splice variants have been described, but their full length sequences have not been determined.

### **Goat Anti-Amphiphysin / AMPH Antibody - References**

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. *Mol Med*, 2010 Jul-Aug. PMID 20379614.

Applying chemometrics approaches to model and predict the binding affinities between the human amphiphysin SH3 domain and its peptide ligands. Liu L, et al. *Protein Pept Lett*, 2010 Feb. PMID 20214647.

Toward quantitative characterization of the binding profile between the human amphiphysin-1 SH3 domain and its peptide ligands. He P, et al. *Amino Acids*, 2010 Apr. PMID 19669081.

Modeling and prediction of binding affinities between the human amphiphysin SH3 domain and its peptide ligands using genetic algorithm-Gaussian processes. Zhou P, et al. *Biopolymers*, 2008. PMID 18814309.

Characterization of domain-peptide interaction interface: a case study on the amphiphysin-1 SH3 domain. Hou T, et al. *J Mol Biol*, 2008 Feb 29. PMID 18206907.