



# Amphiphysin I Polyclonal Antibody

<b>Catalog No</b>	BYab-00664
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	AMPH
<b>Protein Name</b>	Amphiphysin
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human AMPH. AA range:131-180
<b>Specificity</b>	Amphiphysin I Polyclonal Antibody detects endogenous levels of Amphiphysin I protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	AMPH; AMPH1; Amphiphysin
<b>Observed Band</b>	76kD
<b>Cell Pathway</b>	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton.
<b>Tissue Specificity</b>	Neurons, certain endocrine cell types and spermatocytes.
<b>Function</b>	disease:Antibodies against AMPH are detected in patients with stiff-man syndrome, a rare disease of the central nervous system characterized by progressive rigidity of the body musculature with superimposed painful spasms.,function:May participate in mechanisms of regulated exocytosis in synapses and certain endocrine cell types. May control the properties of the membrane associated cytoskeleton.,similarity:Contains 1 BAR domain.,similarity:Contains 1 SH3 domain.,subunit:Heterodimer with BIN1. Binds SH3GLB1 and AP2A2.,tissue specificity:Neurons, certain endocrine cell types and spermatocytes.,

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**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. A pseudogene of this gene is found on chromosome 11.[provided by RefSeq, Nov 2010],

**matters needing attention**

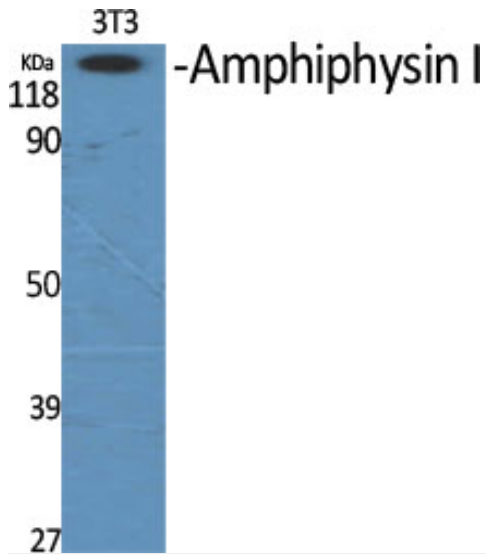
Avoid repeated freezing and thawing!

**Usage suggestions**

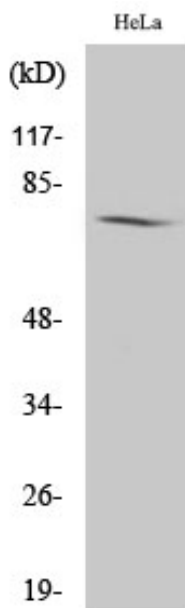
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



## Products Images



Western Blot analysis of various cells using  
Amphiphysin I Polyclonal Antibody



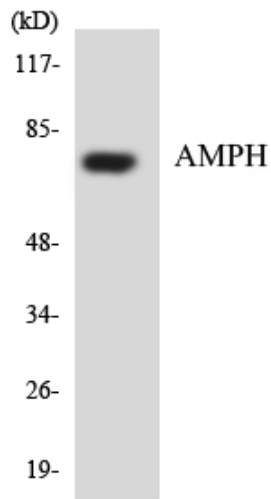
Western Blot analysis of HeLa cells using Amphiphysin  
I Polyclonal Antibody

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Western blot analysis of the lysates from HUVEC cells using AMPH antibody.