

**Product Name: Endophilin I Rabbit Polyclonal Antibody**  
**Catalog #: APRab10467**



## Summary

<b>Production Name</b>	Endophilin I Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	SH3GL2
<b>Alternative Names</b>	SH3GL2; CNSA2; SH3D2A; Endophilin-A1; EEN-B1; Endophilin-1; SH3 domain protein 2A; SH3 domain-containing GRB2-like protein 2
<b>Gene ID</b>	6456.0
<b>SwissProt ID</b>	Q99962. Synthesized peptide derived from Endophilin I . at AA range: 30-110

## Application

<b>Dilution Ratio</b>	WB 1:500-1:2000, ELISA 1:10000.Not yet tested in other applications.
<b>Molecular Weight</b>	39kDa

## Background

domain:An N-terminal amphipathic helix, the BAR domain and a second amphipathic helix inserted into helix 1 of the BAR

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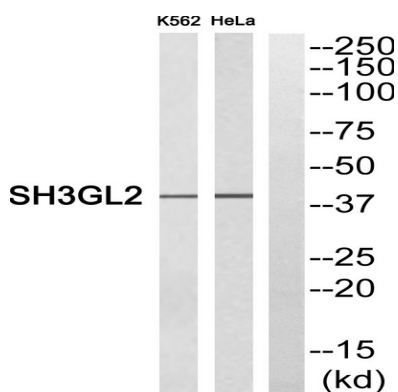


domain (N-BAR domain) induce membrane curvature and bind curved membranes. The BAR domain dimer forms a rigid crescent shaped bundle of helices with the pair of second amphipathic helices protruding towards the membrane-binding surface.,function:Implicated in synaptic vesicle endocytosis. May recruit other proteins to membranes with high curvature.,miscellaneous:HeLa cells expressing the N-BAR domain of SH3GL2 show tubulation of the plasma membrane. The N-BAR domain binds liposomes and induces formation of tubules from liposomes. The N-terminal amphipathic helix is required for liposome binding. The second amphipathic helix enhances liposome tubulation.,similarity:Belongs to the endophilin family.,similarity:Contains 1 BAR domain.,similarity:Contains 1 SH3 domain.,subcellular location:Concentrated in presynaptic nerve terminals in neurons.,subunit:Monomer; in cytoplasm. Homodimer; when associated with membranes (By similarity). Interacts with SYNJ1 and DNM1. Interacts with MAP4K3; the interaction appears to regulate MAP4K3-mediated JNK activation. Interacts with PDCD6IP.,tissue specificity:Brain, mostly in frontal cortex. Expressed at high level in fetal cerebellum.,domain:An N-terminal amphipathic helix, the BAR domain and a second amphipathic helix inserted into helix 1 of the BAR domain (N-BAR domain) induce membrane curvature and bind curved membranes. The BAR domain dimer forms a rigid crescent shaped bundle of helices with the pair of second amphipathic helices protruding towards the membrane-binding surface.,function:Implicated in synaptic vesicle endocytosis. May recruit other proteins to membranes with high curvature.,miscellaneous:HeLa cells expressing the N-BAR domain of SH3GL2 show tubulation of the plasma membrane. The N-BAR domain binds liposomes and induces formation of tubules from liposomes. The N-terminal amphipathic helix is required for liposome binding. The second amphipathic helix enhances liposome tubulation.,similarity:Belongs to the endophilin family.,similarity:Contains 1 BAR domain.,similarity:Contains 1 SH3 domain.,subcellular location:Concentrated in presynaptic nerve terminals in neurons.,subunit:Monomer; in cytoplasm. Homodimer; when associated with membranes (By similarity). Interacts with SYNJ1 and DNM1. Interacts with MAP4K3; the interaction appears to regulate MAP4K3-mediated JNK activation. Interacts with PDCD6IP.,tissue specificity:Brain, mostly in frontal cortex. Expressed at high level in fetal cerebellum.,

## Research Area

Endocytosis;

## Image Data



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Western blot analysis of SH3GL2 Antibody. The lane on the right is blocked with the SH3GL2 peptide.

**Note**

For research use only.