

## Endophilin I Monoclonal Antibody

Catalog No	YP-mAb-00695
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SH3GL2
Protein Name	Endophilin-A1
Immunogen	Synthesized peptide derived from Endophilin I . at AA range: 30-110
Specificity	Endophilin I Monoclonal Antibody detects endogenous levels of Endophilin I protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,lgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SH3GL2; CNSA2; SH3D2A; Endophilin-A1; EEN-B1; Endophilin-1; SH3 domain protein 2A; SH3 domain-containing GRB2-like protein 2
Observed Band	39kD
Cell Pathway	Cytoplasm . Membrane ; Peripheral membrane protein . Early endosome . Cell junction, synapse, presynapse .
Tissue Specificity	Brain, mostly in frontal cortex. Expressed at high level in fetal cerebellum.
Function	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.,subcel
Background	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



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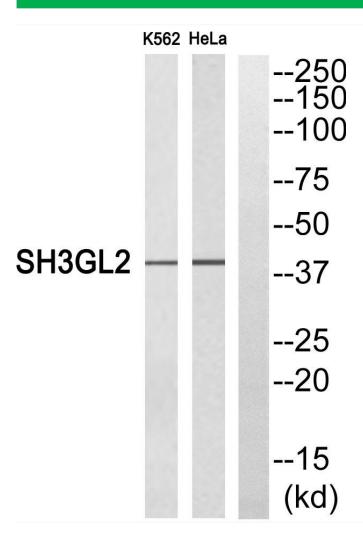
matters needing attention

Avoid repeated freezing and thawing!

**Usage suggestions** 

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





Western Blot analysis of various cells using Endophilin I Monoclonal Antibody