



## Rabbit Anti-SH3GL3 antibody

SL11702R

<b>Product Name:</b>	SH3GL3
<b>Chinese Name:</b>	胞浆蛋白SH3GL3抗体
<b>Alias:</b>	Endophilin I-III; Endophilin-III; CNSA3; EEN 2B L3; EEN B2; EEN2BL3; EENB2; Endophilin 3; Endophilin A3; H.sapiens mRNA for protein containing SH3 domain, SH3GL3; HsT19371; SH3 domain containing GRB2 like protein 3; SH3 domain GRB2 like 3; SH3 domain protein 2C; SH3D2C; SH3P13; SH3G3 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	39kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SH3GL3:121-220/347
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The endophilins comprise a family of three SH3 domain-containing proteins designated Endophilin I, II and III, or alternatively known as SH3P4, SH3P8 and SH3P13, respectively. These proteins associate with Amphiphysin, Synaptojanin and Dynamin and are implicated in presynaptic vesicle trafficking at nerve terminals. The expression

patterns of the endophilins are consistent with their cellular functions at the neuronal synapse, as Endophilin I is expressed only in the brain. Both Endophilin II and Endophilin III are detected in a variety of tissues. Endophilin I is also implicated in modulating G protein-coupled receptor signaling by functioning as an adapter protein and directing 1 adrenergic receptors to the endocytic machinery.

**Function:**

SH3GL3 is implicated in endocytosis and may recruit other proteins to membranes with high curvature. It is found in brain and testis tissue. There are four isoforms.

**Subunit:**

Interacts with ARC (By similarity). Interacts with DNMI1, SGIP1 and SYNJ1. Interacts with the huntingtin exon 1 protein (HDEX1P) containing a glutamine repeat in the pathological range and promotes formation of insoluble polyglutamine-containing aggregates in vivo. Interacts with DYDC1. Interacts with FASLG. Interacts with ATX2.

**Subcellular Location:**

Cytoplasm, early endosome membrane, peripheral membrane protein. Note: Associated with postsynaptic endosomes in hippocampal neurons. Associated with presynaptic endosomes in olfactory neurons.

**Tissue Specificity:**

Brain and testis.

**Similarity:**

Belongs to the endophilin family.

Contains 1 BAR domain.

Contains 1 SH3 domain.

**SWISS:**

Q99963

**Gene ID:**

6457

**Database links:**

[Entrez Gene: 6457](#)Human

[Entrez Gene: 81921](#)Rat

[Omim: 603362](#)Human

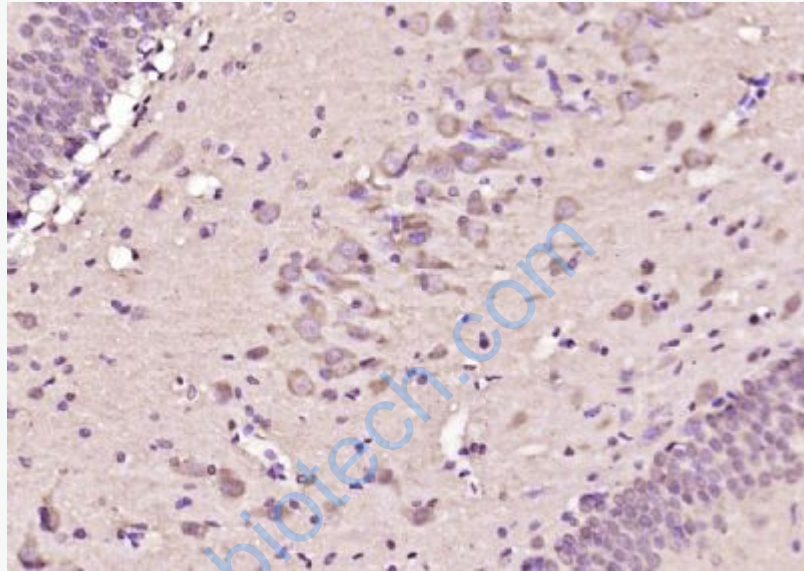
[SwissProt: Q99963](#)Human

[SwissProt: O35180](#)Rat

[Unigene: 270055](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SH3GL3) Polyclonal Antibody, Unconjugated (SL11702R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.