

# SH3GL2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21451c

#### **Product Information**

**Application** WB, E **Primary Accession Q99962** Reactivity Human Host Rabbit Clonality polyclonal Isotype Rabbit IgG **Clone Names** RB52936 **Calculated MW** 39962

#### **Additional Information**

**Gene ID** 6456

Other Names Endophilin-A1, EEN-B1, Endophilin-1, SH3 domain protein 2A, SH3

domain-containing GRB2-like protein 2, SH3GL2, CNSA2, SH3D2A

**Target/Specificity** This SH3GL2 antibody is generated from a rabbit immunized with a KLH

conjugated synthetic peptide between 127-158 amino acids from the Central

region of human SH3GL2.

**Dilution** WB~~1:8000 E~~Use at an assay dependent concentration.

**Format** Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** SH3GL2 Antibody (Center) is for research use only and not for use in

diagnostic or therapeutic procedures.

#### **Protein Information**

Name SH3GL2

Synonyms CNSA2, SH3D2A

**Function** Implicated in synaptic vesicle endocytosis. May recruit other proteins to

membranes with high curvature. Required for BDNF-dependent dendrite outgrowth. Cooperates with SH3GL2 to mediate BDNF-NTRK2 early endocytic

trafficking and signaling from early endosomes.

**Cellular Location** Cytoplasm {ECO:0000250 | UniProtKB:O35179}. Membrane

{ECO:0000250|UniProtKB:O35179}; Peripheral membrane protein

{ECO:0000250 | UniProtKB:O35179}. Early endosome {ECO:0000250 | UniProtKB:Q62420}. Presynapse

{ECO:0000250 | UniProtKB:O35179}

**Tissue Location** Brain, mostly in frontal cortex. Expressed at high level in fetal cerebellum

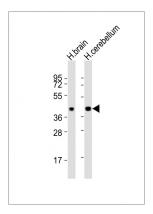
## **Background**

Implicated in synaptic vesicle endocytosis. May recruit other proteins to membranes with high curvature.

### References

Giachino C.,et al.Genomics 41:427-434(1997). So C.W.,et al.Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases. Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases. Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Nat. Genet. 36:40-45(2004).

## **Images**



All lanes: Anti-SH3GL2 Antibody (Center) at 1:8000 dilution Lane 1: human brain lysates Lane 2: human cerebellum lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size: 40 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.