

endophilin-A1 / SH3GL2 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3838a

Specification

endophilin-A1 / SH3GL2 Antibody (internal region) - Product Information

| | |
|-------------------|--|
| Application | WB, IHC |
| Primary Accession | O99962 |
| Other Accession | NP_003017.1 , 6456 |
| Reactivity | Human |
| Predicted | Pig |
| Host | Goat |
| Clonality | Polyclonal |
| Concentration | 0.5 mg/ml |
| Isotype | IgG |
| Calculated MW | 39962 |

endophilin-A1 / SH3GL2 Antibody (internal region) - 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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

endophilin-A1 / SH3GL2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

endophilin-A1 / SH3GL2 Antibody (internal region) - 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}

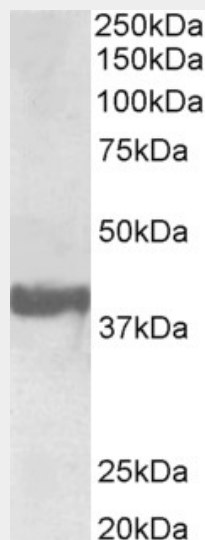
Tissue Location

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

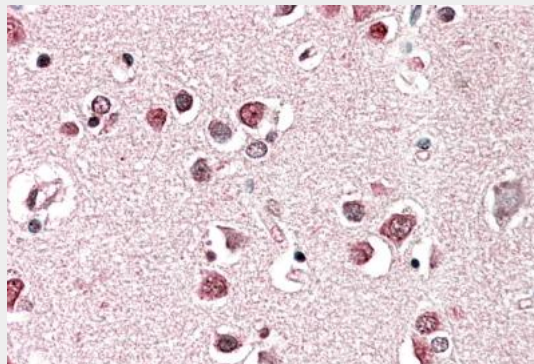
endophilin-A1 / SH3GL2 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

endophilin-A1 / SH3GL2 Antibody (internal region) - Images

AF3838a (0.3 µg/ml) staining of Human Frontal Cortex lysate (35 µg protein in RIPA buffer).
Primary incubation was 1 hour. Detected by chemiluminescence.



AF3838a (5 µg/ml) staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

endophilin-A1 / SH3GL2 Antibody (internal region) - References

SH3GL2 gene participates in MEK-ERK signal pathway partly by regulating EGFR in the laryngeal carcinoma cell line Hep2. Shang C, Guo Y, Fu S, Fu W, Sun K. Med Sci Monit. 2010 Jun;16(6):BR168-73. PMID: 20512084