


Product datasheet

Anti-SH3GL2 antibody [EPR10214] ab169762

Recombinant **RabMAb**

★★★★★ 1 Abreviews 1 References 9 Images

Overview

Product name	Anti-SH3GL2 antibody [EPR10214]
Description	Rabbit monoclonal [EPR10214] to SH3GL2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, IP, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Chicken 
Immunogen	Synthetic peptide within Human SH3GL2. The exact sequence is proprietary. Database link: Q99962
Positive control	Mouse brain, rat brain, Human cerebellum and Human fetal brain lysates; Human brain and Human glioma tissue.
General notes	

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

This product is a [recombinant rabbit monoclonal antibody](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR10214
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab169762** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 40 kDa (predicted molecular weight: 40 kDa).
IHC-P		1/250 - 1/500.
IP		1/10 - 1/100.
ICC/IF	★★★★★	Use at an assay dependent concentration.

Target

Function

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

Tissue specificity

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

Sequence similarities

Belongs to the endophilin family.
Contains 1 BAR domain.
Contains 1 SH3 domain.

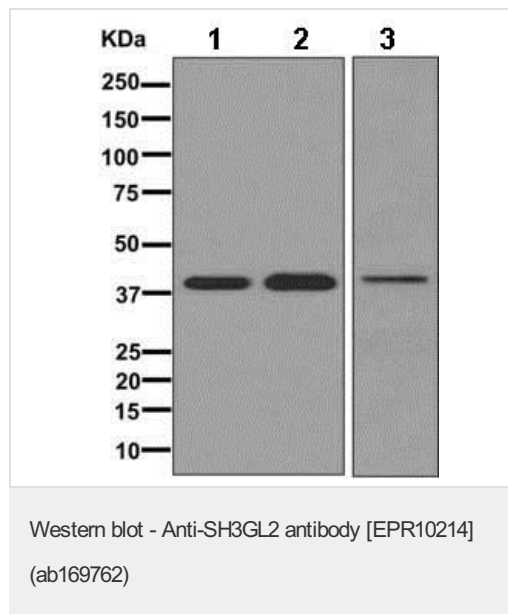
Domain

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.

Cellular localization

Cytoplasm. Membrane. Concentrated in presynaptic nerve terminals in neurons.

Images



All lanes : Anti-SH3GL2 antibody [EPR10214] (ab169762) at 1/1000 dilution

Lane 1 : mouse brain lysate

Lane 2 : rat brain lysate

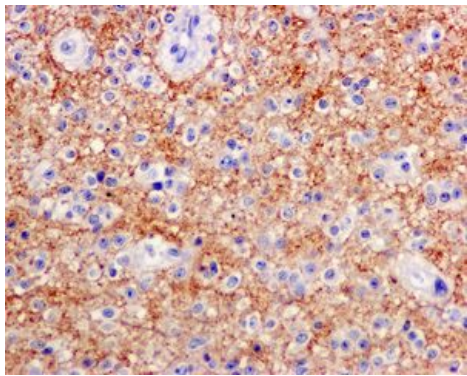
Lane 3 : Human cerebellum lysate

Lysates/proteins at 10 µg per lane.

Secondary

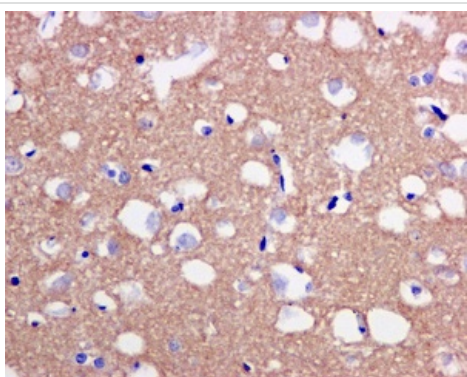
All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 40 kDa



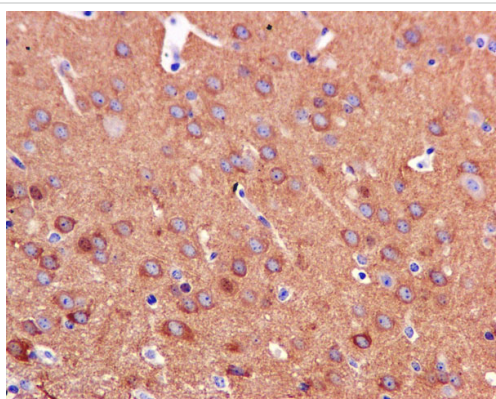
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SH3GL2 antibody [EPR10214] (ab169762)

Immunohistochemical analysis of paraffin-embedded Human glioma tissue labeling SH3GL2 with ab169762 at 1/250 dilution.



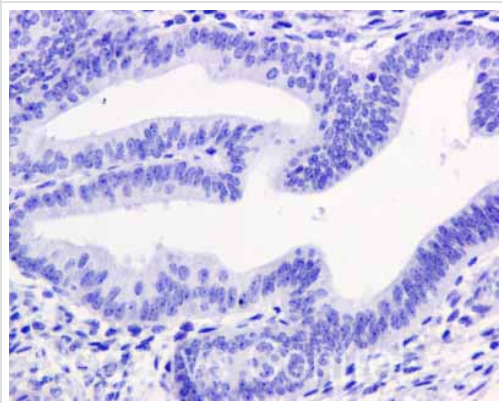
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SH3GL2 antibody [EPR10214] (ab169762)

Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling SH3GL2 with ab169762 at 1/250 dilution.



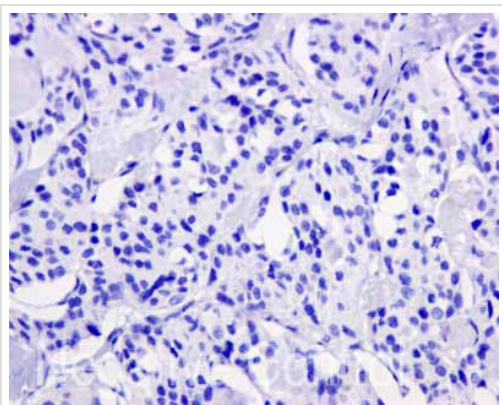
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SH3GL2 antibody [EPR10214] (ab169762)

ab169762 showing +ve staining in Mouse brain tissue.



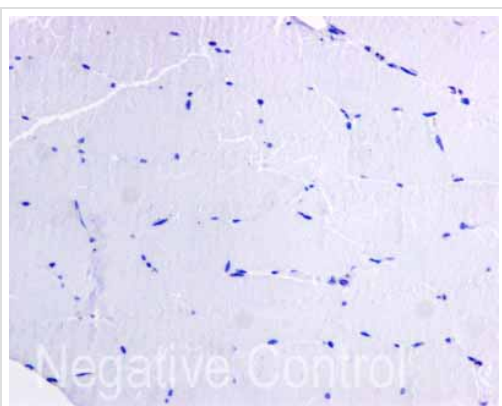
ab169762 showing -ve staining in Human uterus tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SH3GL2 antibody
[EPR10214] (ab169762)



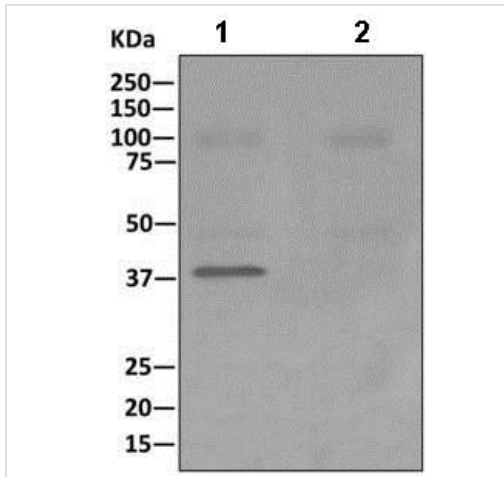
ab169762 showing -ve staining in Human thyroid gland carcinoma tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SH3GL2 antibody
[EPR10214] (ab169762)



ab169762 showing -ve staining in Human skeletal muscle tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SH3GL2 antibody
[EPR10214] (ab169762)



Immunoprecipitation - Anti-SH3GL2 antibody [EPR10214] (ab169762)

Detection of SH3GL2 by Western Blot of Immunoprecipitate. Human fetal brain lysate cell lysate (lane 1) or 1 X PBS negative control (lane 2) immunoprecipitated using ab169762 at 1/10 dilution.

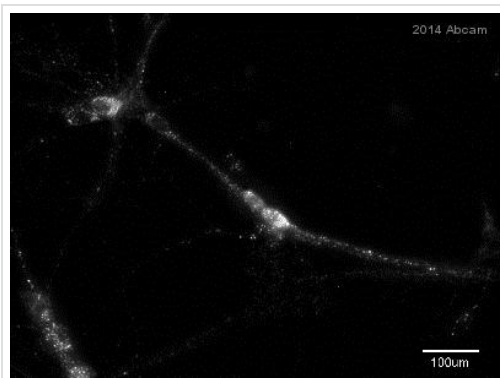
All lanes : Anti-SH3GL2 antibody [EPR10214] (ab169762) at 1/1000 dilution

Lane 1 : Anti-SH3GL2 antibody [EPR10214] (ab169762) at 1/10 dilution

Lane 2 : 1 X PBS negative control

Secondary

All lanes : HRP-conjugated anti-rabbit IgG



Immunocytochemistry/ Immunofluorescence - Anti-SH3GL2 antibody [EPR10214] (ab169762)

This image is courtesy of an Abreview submitted by Eva Borger

ab169762 staining SH3GL2 in mouse primary hippocampal neurons by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 2% paraformaldehyde for 15 minutes at room temperature, permeabilized with 0.05% Triton X-100 + 0.05% Tween20 in PBS and blocked with 1% BSA for 30 minutes at 22°C. Samples were incubated with primary antibody (1/150 in PBS + 1% BSA) for 2 hour at 22°C. An Alexa Fluor® 594-conjugated goat anti-rabbit IgG polyclonal (1/1500) was used as the secondary antibody.

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