

Rho guanine exchange factor 16 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57695

Specification

Rho guanine exchange factor 16 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession

Host

Clonality

Calculated MW

Physical State

Q5VV41

Rabbit

Polyclonal
80 KDa

Liquid

Immunogen KLH conjugated synthetic peptide derived

from human RHEBL1

Epitope Specificity 151-250/709

Isotype IgG

Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cytoplasm.

SIMILARITY Contains 1 DH (DBL-homology) domain.

Contains 1 PH domain. Contains 1 SH3

domain.

SUBUNIT Interacts with ELMO2, EPHA2, RAC1 and

RHOG; mediates activation of RAC1 by EPHA2. Interacts with TAX1BP3 (via PDZ

domain). May interact with CDC42;

stimulated by HPV16 E6.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Although the specific function of this protein is not known yet, it is thought to be involved in protein-protein and protein-lipid interactions. [provided by RefSeq, Jul 2008]

Rho guanine exchange factor 16 Polyclonal Antibody - Additional Information

Gene ID 27237

Other Names

Rho guanine nucleotide exchange factor 16, Ephexin-4, ARHGEF16, EPHEXIN4, NBR

Dilution

WB~~1:1000/>span class

="dilution IHC-P">IHC-P~~N/A<br \><span class

="dilution_IHC-F">IHC-F~~N/A<br \><span class

="dilution_IF">IF~~1:50~200<br \> < span class = "dilution_ICC">ICC~~N/A < br \> < span class = "dilution_ICC">ICC~~N/A < span class = "dilution_ICC">ICC~~N/A < span class = "dilution_ICC">ICC~



\>E~~N/A

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. 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 $^{\circ}$ C.

Rho guanine exchange factor 16 Polyclonal Antibody - Protein Information

Name ARHGEF16

Synonyms EPHEXIN4, NBR

Function

Guanyl-nucleotide exchange factor of the RHOG GTPase stimulating the exchange of RHOG-associated GDP for GTP. May play a role in chemotactic cell migration by mediating the activation of RAC1 by EPHA2. May also activate CDC42 and mediate activation of CDC42 by the viral protein HPV16 E6.

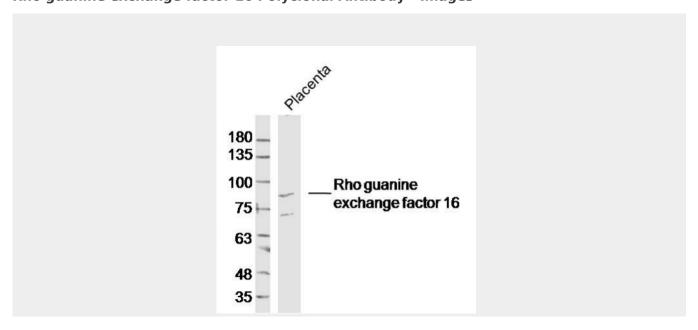
Cellular Location Cytoplasm.

Rho guanine exchange factor 16 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Rho guanine exchange factor 16 Polyclonal Antibody - Images



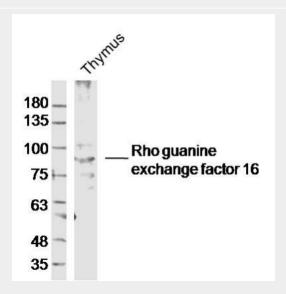


Sample:Placenta (Mouse) Lysate at 40 ug

Primary: Anti-Rho guanine exchange factor 16(bs-19870R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 80kD Observed band size: 80kD

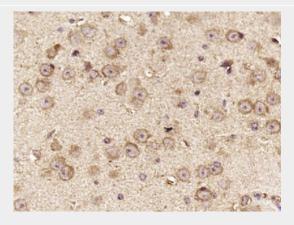


Sample: Thymus (Mouse) Lysate at 40 ug

Primary: Anti-Rho guanine exchange factor 16(bs-19870R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 80kD Observed band size: 80kD



Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (Rho guanine exchange factor 16) Polyclonal Antibody, Unconjugated (bs-19870R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.