ARHGEF7 Antibody (C-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22153b

Specification

ARHGEF7 Antibody (C-Term) - Product Information

Application	**WB,E**
Primary Accession	Q14155
Other Accession	Q9ES28
Reactivity	**Human, Mouse**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**90012**

ARHGEF7 Antibody (C-Term) - Additional Information

Gene ID 8874

Other Names
Rho guanine nucleotide exchange factor 7, Beta-Pix, COOL-1, PAK-interacting exchange factor beta, p85, ARHGEF7, COOL1, KIAA0142, P85SPR, PAK3BP, PIXB

Target/Specificity
This ARHGEF7 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 654-688 amino acids from human ARHGEF7.

Dilution
WB~~1:2000
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
ARHGEF7 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

ARHGEF7 Antibody (C-Term) - Protein Information

Name ARHGEF7

Synonyms COOL1, KIAA0142, P85SPR, PAK3BP, PIXB

Function Acts as a RAC1 guanine nucleotide exchange factor (GEF) and can induce membrane ruffling. Functions in cell migration, attachment and cell spreading. Promotes targeting of RAC1 to focal adhesions (By similarity). May function as a positive regulator of apoptosis. Downstream of NMDA receptors and CaMKK-CaMK1 signaling cascade, promotes the formation of spines and synapses in hippocampal neurons.
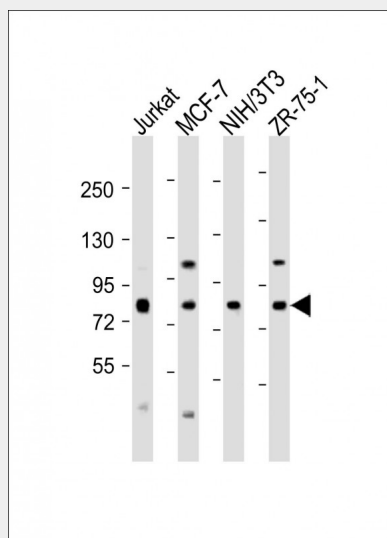
Cellular Location
Cell junction, focal adhesion. Cell projection, ruffle. Cytoplasm, cell cortex Cell projection, lamellipodium. Note=Detected at cell adhesions. A small proportion is detected at focal adhesions

ARHGEF7 Antibody (C-Term) - 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

ARHGEF7 Antibody (C-Term) - Images

All lanes : Anti-ARHGEF7 Antibody (C-Term) at 1:2000 dilution Lane 1: Jurkat whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: NIH/3T3 whole cell lysate Lane 4: ZR-75-1 whole cell lysate Lysates/proteins at 20 μg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 90 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

ARHGEF7 Antibody (C-Term) - Background

Acts as a RAC1 guanine nucleotide exchange factor (GEF) and can induce membrane ruffling. Functions in cell migration, attachment and cell spreading. Promotes targeting of RAC1 to focal

adhesions (By similarity). May function as a positive regulator of apoptosis. Downstream of NMDA receptors and CaMKK-CaMK1 signaling cascade, promotes the formation of spines and synapses in hippocampal neurons.

ARHGEF7 Antibody (C-Term) - References

Nagase T.,et al.DNA Res. 2:167-174(1995).
Bagrodia S.,et al.J. Biol. Chem. 273:23633-23636(1998).
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