

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 Ig
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

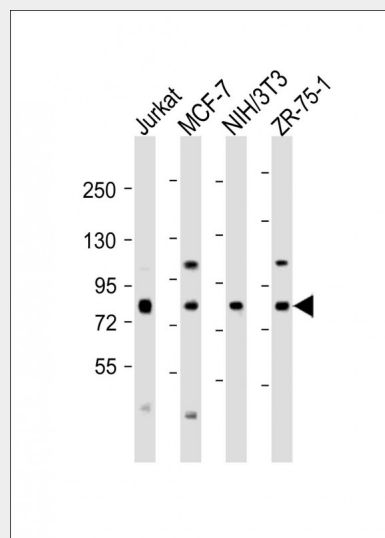
Format

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



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).

ARHGEF7 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Dunham A.,et al.Nature 428:522-528(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

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 Cytometry](#)
- [Cell Culture](#)