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RAPGEF1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13683

Specification

RAPGEF1 antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q13905
Other Accession	NM_005312, NP_005303
Reactivity	**Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**120kDa KDa**

RAPGEF1 antibody - C-terminal region - Additional Information

Gene ID 2889

Alias Symbol	**C3G, DKFZp781P1719, GRF2**

Other Names
Rap guanine nucleotide exchange factor 1, CRK SH3-binding GNRP, Guanine nucleotide-releasing factor 2, Protein C3G, RAPGEF1, GRF2

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-RAPGEF1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
RAPGEF1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

RAPGEF1 antibody - C-terminal region - Protein Information

Name RAPGEF1

Synonyms GRF2

Function
Guanine nucleotide-releasing protein that binds to SH3 domain of CRK and GRB2/ASH. Transduces signals from CRK to activate RAS. Involved in cell branching and adhesion mediated by BCAR1-CRK-RAPGEF1 signaling and activation of RAP1 (PubMed:12432078). Plays a role

in the establishment of basal endothelial barrier function. Plays a role in nerve growth factor (NGF)-induced sustained activation of Rap1 and neurite outgrowth.

Cellular Location
Early endosome.

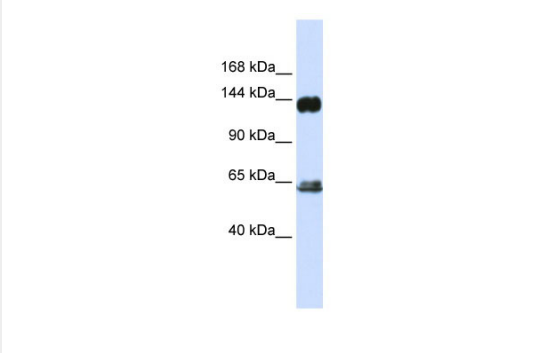
Tissue Location
Ubiquitously expressed in adult and fetus. Expression is high in adult skeletal muscle and placenta and in fetal brain and heart. Low levels of expression in adult and fetal liver

RAPGEF1 antibody - C-terminal 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 Cytomety
- Cell Culture

RAPGEF1 antibody - C-terminal region - Images



WB Suggested Anti-RAPGEF1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Human brain

RAPGEF1 antibody - C-terminal region - References

Tanaka S.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:3443-3447(1994).
Knudsen B.,et al.J. Biol. Chem. 269:32781-32787(1994).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Humphray S.J.,et al.Nature 429:369-374(2004).
Matsuda M.,et al.J. Biol. Chem. 271:14468-14472(1996).