10320 Camino Santa Fe, Suite G
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CENTG1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10947b

Specification

CENTG1 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q99490
Other Accession	Q8CGU4, Q3UHD9, NP_001116244.1, NP_055585.1
Reactivity	**Human, Mouse**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**124674**
Antigen Region	**850-877**

CENTG1 Antibody (C-term) - Additional Information

Gene ID 116986

Other Names
Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2, AGAP-2, Centaurin-gamma-1, Cnt-g1, GTP-binding and GTPase-activating protein 2, GGAP2, Phosphatidylinositol 3-kinase enhancer, PIKE, AGAP2, CENTG1, KIAA0167

Target/Specificity
This CENTG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 850-877 amino acids from the C-terminal region of human CENTG1.

Dilution
WB~~1:1000

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
CENTG1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CENTG1 Antibody (C-term) - Protein Information

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Name AGAP2

Synonyms CENTG1, KIAA0167

Function GTPase-activating protein (GAP) for ARF1 and ARF5, which also shows strong GTPase activity. Isoform 1 participates in the prevention of neuronal apoptosis by enhancing PI3 kinase activity. It aids the coupling of metabotropic glutamate receptor 1 (GRM1) to cytoplasmic PI3 kinase by interacting with Homer scaffolding proteins, and also seems to mediate anti-apoptotic effects of NGF by activating nuclear PI3 kinase. Isoform 2 does not stimulate PI3 kinase but may protect cells from apoptosis by stimulating Akt. It also regulates the adapter protein 1 (AP-1)-dependent trafficking of proteins in the endosomal system. It seems to be oncogenic. It is overexpressed in cancer cells, prevents apoptosis and promotes cancer cell invasion.

Cellular Location
[Isoform 1]: Cytoplasm. Nucleus.

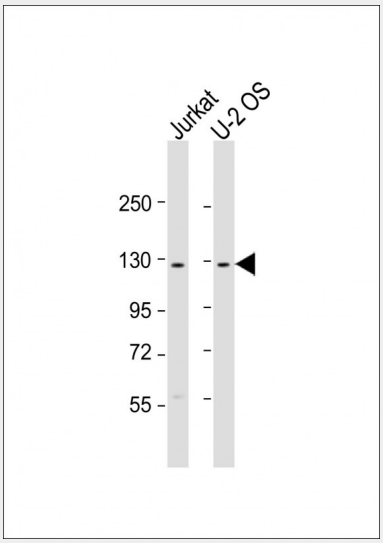
Tissue Location
Isoform 1 is brain-specific. Isoform 2 is ubiquitously expressed, with highest levels in brain and heart

CENTG1 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

CENTG1 Antibody (C-term) - Images



All lanes : Anti-CENTG1 Antibody (C-term) at 1:2000 dilution Lane 1: Jurkat whole cell lysate Lane 2: U-2 OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG,

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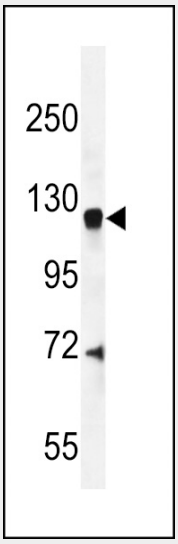
(H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 125 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



CENTG1 Antibody (C-term) (Cat. #AP10947b) western blot analysis in mouse brain tissue lysates (35ug/lane).This demonstrates the CENTG1 antibody detected the CENTG1 protein (arrow).

CENTG1 Antibody (C-term) - Background

GTPase-activating protein (GAP) for ARF1 and ARF5, which also shows strong GTPase activity. Isoform 1 participates in the prevention of neuronal apoptosis by enhancing PI3 kinase activity. It aids the coupling of metabotropic glutamate receptor 1 (GRM1) to cytoplasmic PI3 kinase by interacting with Homer scaffolding proteins, and also seems to mediate anti-apoptotic effects of NGF by activating nuclear PI3 kinase. Isoform 2 does not stimulate PI3 kinase but may protect cells from apoptosis by stimulating Akt. It also regulates the adapter protein 1 (AP-1)-dependent trafficking of proteins in the endosomal system. It seems to be oncogenic. It is overexpressed in cancer cells, prevents apoptosis and promotes cancer cell invasion.

CENTG1 Antibody (C-term) - References

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