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Goat Anti-CENTG1 / PIKE Antibody

Peptide-affinity purified goat antibody
Catalog # AF1230a

Specification

Goat Anti-CENTG1 / PIKE Antibody - Product Information

Application	**WB**
Primary Accession	Q99490
Other Accession	NP_055585, 116986
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**124674**

Goat Anti-CENTG1 / PIKE Antibody - 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

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-CENTG1 / PIKE Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CENTG1 / PIKE Antibody - Protein Information

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

Goat Anti-CENTG1 / PIKE 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

Goat Anti-CENTG1 / PIKE Antibody - Images



AF1230a (0.3 µg/ml) staining of Human Amygdala lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-CENTG1 / PIKE Antibody - References

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