



Rabbit Anti-Centaurin gamma 1 antibody

SL5930R

Product Name:	Centaurin gamma 1
Chinese Name:	中心体肌动蛋白 γ 1/增强型PI3K蛋白抗体
Alias:	Centaurin gamma 1; ANK repeat and PH domain-containing protein 2; AGAP-2; Agap2; Agap2 ArfGAP with GTPase domain, ankyrin repeat and PH domain 2; AGAP2_HUMAN; ANK repeat and PH domains 2; Arf GAP with GTP binding protein like; Arf GAP with GTP-binding protein-like, ANK repeat and PH domains 2; Arf GAP with GTP-binding protein-like, ankyrin repeat and pleckstrin homology domains 2; Arf-GAP with GTPase; Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2; ArfGAP with GTPase domain, ankyrin repeat and PH domain 2; centaurin gamma1; Centaurin-gamma-1; Centg1; cnt g1; Cnt-g1; Cnt2; GGAP2; GTP binding and GTPase activating protein 2; GTP-binding and GTPase activating protein 2; GTP-binding and GTPase-activating protein 2; Nuclear GTPase PIKE; Phosphatidylinositol-3-kinase enhancer; Phosphoinositide 3 kinase enhancer; PI3K ENHANCER; PIKE.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	125kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Centaurin gamma 1:1001-1200/1192
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized

	antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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.</p> <p>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.</p> <p>Subunit: Isoform 1 interacts with EPB41L1, PLCG1, NF2, HOMER1 and HOMER2 (By similarity). Isoform 2 interacts with activated AKT1 in the presence of guanine nucleotides, and with the AP-1 complex.</p> <p>Subcellular Location: Isoform 1: Cytoplasm. Nucleus. Isoform 2: Cytoplasm.</p> <p>Tissue Specificity: Isoform 1 is brain-specific. Isoform 2 is ubiquitously expressed, with highest levels in brain and heart.</p> <p>Post-translational modifications: Isoform PIKE-A is phosphorylated at Tyr-682 and Tyr-774 by FYN, preventing its apoptotic cleavage.</p> <p>Similarity: Belongs to the centaurin gamma-like family. Contains 2 ANK repeats. Contains 1 Arf-GAP domain.</p>

Contains 1 PH domain

SWISS:
Q99490

Gene ID:
116986

Database links:

[Entrez Gene: 116986](#)Human

[Entrez Gene: 105242480](#)Mouse

[Entrez Gene: 216439](#)Mouse

[Entrez Gene: 65218](#)Rat

[Oimim: 605476](#)Human

[SwissProt: Q99490](#)Human

[SwissProt: Q3UHD9](#)Mouse

[SwissProt: Q8CGU4](#)Rat

[SwissProt: Q9JHW8](#)Rat

[Unigene: 302435](#)Human

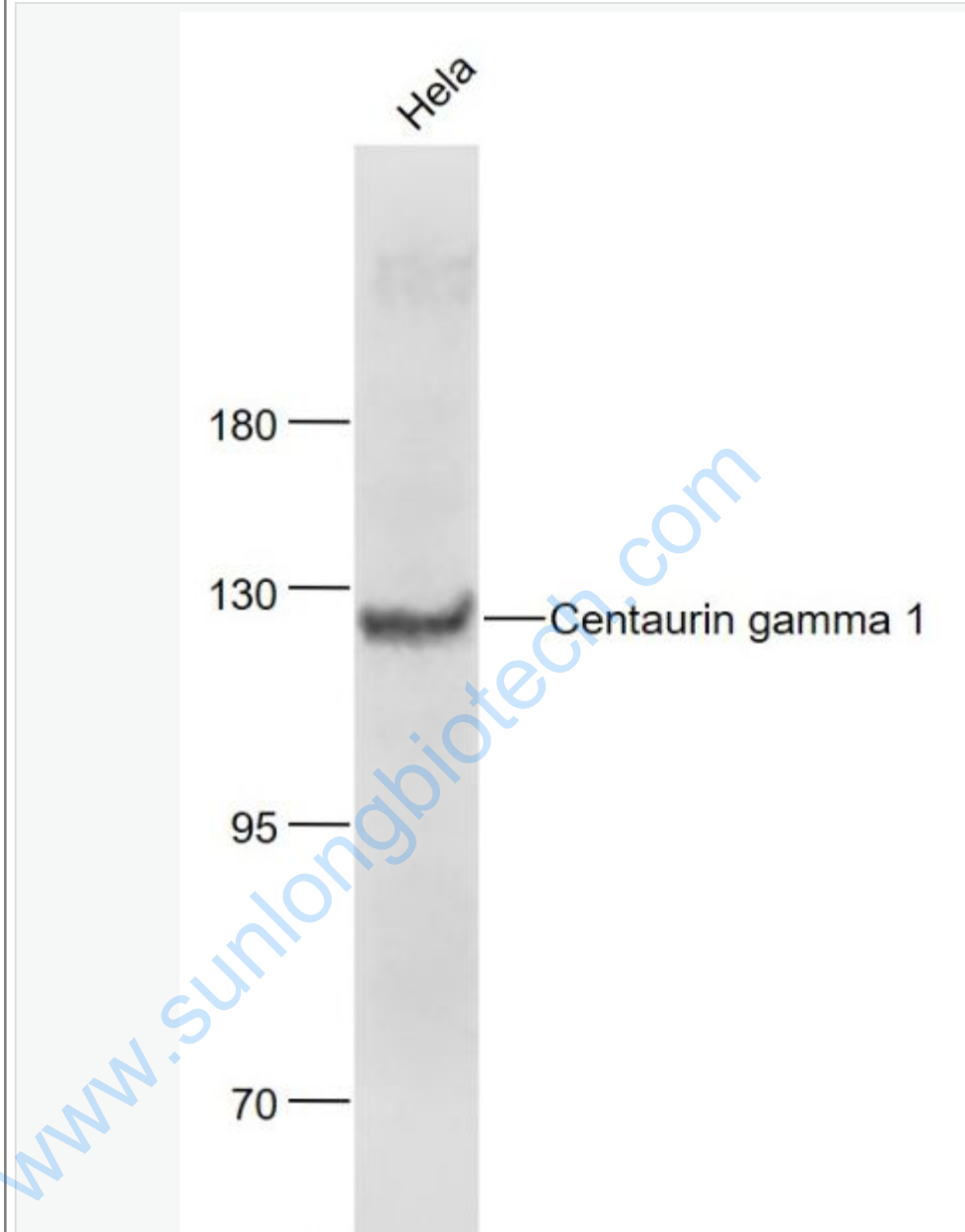
[Unigene: 336761](#)Mouse

[Unigene: 91094](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

HeLa(Human) Cell Lysate at 30 ug

Primary: Anti- Centaurin gamma 1 (SL5930R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 125 kD

	Observed band size: 125 kD
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