

Product datasheet for **TA340181**

Centaurin gamma 1 (AGAP2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CENTG1 antibody: synthetic peptide directed towards the middle region of human CENTG1. Synthetic peptide located within the following region: AHARHGPLDTSVEDPQLRSPLHLAAELAHWITQLLLWYGADVAARDAQG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	90 kDa
Gene Name:	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2
Database Link:	NP_055585 Entrez Gene 116986 Human Q99490



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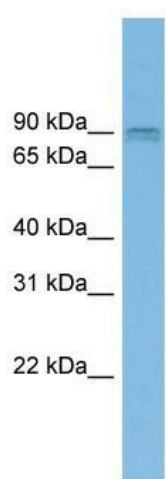
Background: CENTG1 is a GTPase-activating protein (GAP) for ARF1 and ARF5, which also shows strong GTPase activity. Isoform 1 participates in the prevention of neuronal apoptosis by enhancing PI3 kinase activity. It aids the coupling of metabotropic glutamate receptor 1 (GRM1) to cytoplasmic PI3 kinase 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.

Synonyms: CENTG1; GGAP2; PIKE

Note: Immunogen Sequence Homology: Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Pig: 93%; Rabbit: 93%; Guinea pig: 93%; Horse: 86%

Protein Pathways: Endocytosis

Product images:



WB Suggested Anti-CENTG1 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive
Control: THP-1 cell lysate