



Rabbit Anti-CENTG3 antibody

SL13846R

Product Name:	CENTG3
Chinese Name:	CENTG3蛋白抗体
Alias:	AGAP-3; Agap3; AGAP3_HUMAN; ANK repeat and PH domain-containing protein 3; Arf GAP with GTPase, ANK repeat and PH domain containing protein 3; Arf-GAP with GTPase; ArfGAP with GTPase domain, ankyrin repeat and PH domain; ArfGAP with GTPase domain, ankyrin repeat and PH domain 3; centaurin gamma 3; Centaurin-gamma-3; CENTG3; Cnt-g3; CRAG; CRAM-associated GTPase; CRMP (collapsin response mediator protein) associated; FLJ16146; FLJ34452; MR1-interacting protein; MRIP-1; MRIP1; OTTHUMP00000213333; OTTHUMP00000213334; OTTHUMP00000213335; OTTHUMP00000213336.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	95kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CENTG3:51-150/875
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

ADP-ribosylation factor (ARF) family of small GTP-binding proteins are involved in vesicular transport regulation and in controlling cytoskeletal organization and cell adhesion. These proteins are best characterized as regulators of membrane traffic. The Centaurin GTPase-activating protein family comprise a subset of ARF regulatory molecules that transduce PI 3-kinase activation into coordinated control of Arf-dependent pathways. This family includes ASAP1, ACAP1, ACAP2, AGAP1, ARAP1, ARAP2, Centaurin a1 and Centaurin g3. The Centaurin a1 protein is a high affinity PtdIns(3,4,5)P3 binding protein enriched in brain. By acting as a GTPase activating protein for ADP ribosylation factor 6 (ARF6), Centaurin a1 is able to switch off ARF6 and inhibit its ability to mediate b2-adrenoceptor internalization and negatively regulate ARF6 activity by functioning as an in vivo PIP3 dependent ARF6 GAP OTTHUMP00000213337; domain, five PH domains, one Ras-associating domain, one Rho-GAP domain and one SAM (sterile a motif) domain.

Function:

GTPase-activating protein for the ADP ribosylation factor family (Potential). GTPase which may be involved in the degradation of expanded polyglutamine proteins through the ubiquitin-proteasome pathway.

Subcellular Location:

Cytoplasm. In cells upon oxidative stress or in brains of Machado-Joseph disease patients, translocates to PML nuclear bodies.

Tissue Specificity:

Widely expressed.

Similarity:

Belongs to the centaurin gamma-like family.
Contains 3 ANK repeats.
Contains 1 Arf-GAP domain.
Contains 1 PH domain.

SWISS:

Q96P47

Gene ID:

116988

Database links:

[Entrez Gene: 116988](#) Human

[Entrez Gene: 213990](#) Mouse

[Entrez Gene: 362300](#) Rat

Product Detail:

[SwissProt: Q96P47](#) Human

[SwissProt: Q8VHH5](#) Mouse

[Unigene: 647075](#) Human

[Unigene: 250703](#) Mouse

Important Note:

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

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