



Rabbit Anti-CENTD1 antibody

SL13845R

Product Name:	CENTD1
Chinese Name:	CENTD1 蛋白抗体
Alias:	ARAP2; Arf GAP Rho GAP ankyrin repeat and pleckstrin homology domain containing protein 2; Centaurin delta 1; Cnt d1; FLJ13675; KIAA0580; PARX protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Sheep,
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:	193kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CENTD1:1501-1704/1704
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:	The protein encoded by this gene contains ARF-GAP, RHO-GAP, ankyrin repeat, RAS-associating, and pleckstrin homology domains. The protein is a phosphatidylinositol (3,4,5)-trisphosphate-dependent Arf6 GAP that binds RhoA-GTP, but it lacks the predicted catalytic arginine in the RHO-GAP domain and does not have RHO-GAP activity. The protein associates with focal adhesions and functions downstream of RhoA to regulate focal adhesion dynamics.The 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 ARAP2, a GTPase-activating protein that controls Actin cytoskeleton remodeling by regulating Rho ARF family members. The ARAP2 protein localizes to the cytoplasm and is expressed in various tissues including brain, thymus, lymph node, thyroid, spinal cord, trachea, heart, skeletal muscle, spleen, kidney, liver, placenta, lung and peripheral blood leukocytes. It contains one ARF-GAP domain, five PH domains, one Ras-associating domain, one Rho-GAP domain and one SAM (sterile alpha motif) domain.

Function:

The protein encoded by this gene contains ARF-GAP, RHO-GAP, ankyrin repeat, RAS-associating, and pleckstrin homology domains. This protein lacks the predicted catalytic arginine in the RHO-GAP domain and is therefore unlikely to have RHO-GAP activity. While the encoded protein does contain a sterile alpha motif (SAM) commonly found in some signaling molecules, the function of the protein has not been determined. Two transcript variants encoding different isoforms have been found for this gene.

Subcellular Location:

Cytoplasmic

Similarity:

- Contains 1 Arf-GAP domain.
- Contains 5 PH domains.
- Contains 1 Ras-associating domain.
- Contains 1 Rho-GAP domain.
- Contains 1 SAM (sterile alpha motif) domain.

SWISS:

Q8WZ64

Gene ID:

116984

Database links:

[Entrez Gene: 116984](#) Human

[Omim: 606645](#) Human

[SwissProt: Q8WZ64](#) Human

[Unigene: 479451](#) Human

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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