



## Rabbit Anti-Centaurin beta 2 antibody

SL13842R

<b>Product Name:</b>	Centaurin beta 2
<b>Chinese Name:</b>	CENTB2蛋白抗体
<b>Alias:</b>	ACAP 2; ACAP2; ACAP2_HUMAN; ANK repeat and PH domain-containing protein 2; Ankyrin repeat; Arf GAP with coiled coil ANK repeat and PH domains 2; ARF GAP with coiled coil; Arf-GAP with coiled-coil; CENT B 2; Centaurin beta2; Centaurin-beta-2; CENTB 2; CENTB2; Cnt b2; Cnt-b2; Cntb2; KIAA0041; Pleckstrin homology domains 2; Similar to yeast ZINC FINGER PROTEIN GCS1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=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.
<b>Molecular weight:</b>	88kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Centaurin beta 2:101-200/778
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 mainly regulate membrane traffic. ACAP2 is a member of the

centaurin GTPase-activating protein (GAP) family, which comprises a subset of ARF regulatory molecules that transduce PI 3-kinase activation into coordinated control of ARF-dependent pathways. ACAP1 and ACAP2 are both widely expressed in peripheral, tubular membranes and usually interact with each other in various tissues. GAP activity of both ACAP1 and ACAP2 is dependent upon phosphatidylinositol 4,5-bisphosphate [PtdIns(4,5)P<sub>2</sub>]. ACAP2 associates with ARF1 and ARF6. Overexpression of ACAP2 blocks the formation of ARF6-dependent protrusions. K1L is a protein required for growth of the Vaccinia Virus that interacts with the ankyrin repeats of ACAP2.

**Function:**

GTPase-activating protein (GAP) for ADP ribosylation factor 6 (ARF6).

**Tissue Specificity:**

Widely expressed. Highest level in lung.

**Post-translational modifications:**

Phosphorylated upon DNA damage, probably by ATM or ATR.

**Similarity:**

Contains 3 ANK repeats.

Contains 1 Arf-GAP domain.

Contains 1 BAR domain.

Contains 1 PH domain.

**SWISS:**

Q15057

**Gene ID:**

23527

**Database links:**

[Entrez Gene: 23527](#) Human

[Entrez Gene: 78618](#) Mouse

[Entrez Gene: 619382](#) Rat

[GenBank: NM\\_030138](#) Mouse

[GenBank: NM\\_001034006](#) Rat

[Omim: 607766](#) Human

[SwissProt: Q15057](#) Human

[SwissProt: Q3UHL4](#) Mouse

[SwissProt: Q6ZQK5](#) Mouse

[SwissProt: Q5FVC7](#) Rat

[Unigene: 478746](#) Human

[Unigene: 593373](#) Human

[Unigene: 274646](#) Mouse

[Unigene: 208307](#) Rat

**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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