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Datasheet for ABIN6976493

**anti-Centaurin beta 2 antibody (AA 101-200) (Alexa Fluor 350)**

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | Centaurin beta 2 (ACAP2)   |
| Binding Specificity: | AA 101-200   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This Centaurin beta 2 antibody is conjugated to Alexa Fluor 350  |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Centaurin beta 2 |
| Isotype:              | IgG  |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Rabbit               |
| Purification:         | Purified by Protein A.   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | Centaurin beta 2 (ACAP2)   |
| Alternative Name: | Centaurin beta 2 ( <a href="#">ACAP2 Products</a> )                                  |
| Background:       | Synonyms: ACAP 2, ACAP2, ACAP2_HUMAN, ANK repeat and PH domain-containing protein 2, |

## Target Details

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.

Background: 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.

Gene ID: 23527

UniProt: [Q15057](#)

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

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|                  |   |
|------------------|---|
| Storage:         | -20 °C  |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months   |