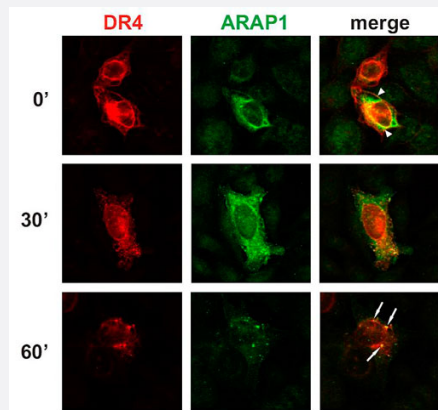


# ARAP1 monoclonal antibody, clone ARAP1-2

Catalog # MAB3599      Size 100 ug

## Applications



### Immunofluorescence

Colocalization of ARAP1 with DR4 at the human plasma membrane and in early endosomes. ARAP1-transfected NCTC cells were treated with TRAIL for 0', 30' or 60' and fixed with methanol. DR4 was detected by rabbit polyclonal (red) and ARAP1 with ARAP1 monoclonal antibody, clone ARAP1-2 (green). Arrowheads show ARAP1-DR4 colocalization at the plasma membrane and intracellular membranes, whereas arrows show their colocalization in early endosomes.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against partial recombinant ARAP1.
<b>Immunogen</b>	Recombinant His6 fusion protein corresponding to amino acids 1190-1450 of human ARAP1.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	160
<b>Reactivity</b>	Human
<b>Specificity</b>	This antibody reacts with C-terminal part of ARAP1, a 160 KDa adaptor protein.
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	Western Blot (2 ug/m) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.4 (0.09% sodium azide)

**Storage Instruction**

Store at 4°C. Do not freeze.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot
- Immunocytochemistry
- Immunofluorescence

Colocalization of ARAP1 with DR4 at the human plasma membrane and in early endosomes. ARAP1-transfected NCTC cells were treated with TRAIL for 0', 30' or 60' and fixed with methanol. DR4 was detected by rabbit polyclonal (red) and ARAP1 with ARAP1 monoclonal antibody, clone ARAP1-2 (green). Arrowheads show ARAP1-DR4 colocalization at the plasma membrane and intracellular membranes, whereas arrows show their colocalization in early endosomes.

- Immunoprecipitation

## Gene Info — ARAP1

**Entrez GeneID**[116985](#)**Gene Name**

ARAP1

**Gene Alias**

CENTD2, KIAA0782

**Gene Description**

ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1

**Omim ID**[606646](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene contains SAM, ARF-GAP, RHO-GAP, ankyrin repeat, RAS-associated, and pleckstrin homology (PH) domains. In vitro, this protein displays RHO-GAP and phosphatidylinositol (3,4,5) trisphosphate (PIP3)-dependent ARF-GAP activity. The encoded protein associates with the Golgi, and the ARF-GAP activity mediates changes in the Golgi and the formation of filopodia. It is thought to regulate the cell-specific trafficking of a receptor protein involved in apoptosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

ARF-GAP, RHO-GAP, ankyrin repeat, and pleckstrin homology domains-containing protein 1|centaurin, delta 2

## Publication Reference

- [Comparison of effects of PKA catalytic subunit on I\(h\) and calcium channel currents in rat dorsal root ganglion cells.](#)

Komagiri Y, Kitamura N.

Biomedical Research (Tokyo, Japan) 2007 Aug; 28(4):177.

- [cAMP-independent role of PKA in tonicity-induced transactivation of tonicity-responsive enhancer/ osmotic response element-binding protein.](#)

Ferraris JD, Persaud P, Williams CK, Chen Y, Burg MB.

PNAS 2002 Dec; 99(26):16800.

- [Transgenic inhibitors identify two roles for protein kinase A in Drosophila development.](#)

Kiger JA Jr, Eklund JL, Younger SH, O'Kane CJ.

Genetics 1999 May; 152(1):281.

## Pathway

- [Endocytosis](#)