

## Product datasheet

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# ARG62673 anti-ARAP1 antibody [ARAP1-2]

Package: 100 μg Store at: -20°C

#### **Summary**

Product Description Mouse Monoclonal antibody [ARAP1-2] recognizes ARAP1

Tested Reactivity Hu

Tested Application ICC/IF, IP, WB

Specificity The clone ARAP1-2 reacts with C-terminal part of ARAP1, a 160 kDa adaptor protein.

Host Mouse

**Clonality** Monoclonal

Clone ARAP1-2

Isotype IgG1

Target Name ARAP1

Species Human

Immunogen His6-tagged protein corresponding to amino acids 1190-1450 of human ARAP1

Conjugation Un-conjugated

Alternate Names Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1; CENTD2; Cnt-d2;

Centaurin-delta-2

### **Application Instructions**

Application table	Application	Dilution
	ICC/IF	Assay-dependent
	IP	Assay-dependent
	WB	2 μg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

#### **Properties**

Form Liquid

Purification Purified from ascites by protein-A affinity chromatography.

Purity > 95% (by SDS-PAGE)

Buffer PBS (pH 7.4) and 15 mM Sodium azide

Preservative 15 mM Sodium azide

Concentration 1 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Database links <u>GeneID: 116985 Human</u>

Swiss-port # Q96P48 Human

Gene Symbol ARAP1

Gene Full Name ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1

Background ARAP1 (angiotensin II type 1 receptor-associated protein) is an adaptor protein with ArfGAP and

RhoGAP activities, containing five PH domains and ankyrin repeate. This adaptor seems to serve as a link between phosphoinositide- Arf-, and Rho-mediated cell signaling. ARAP1 supports the plasma membrane recycling of angiotensin II type 1 receptor (AT1) and is important also for cell-specific trafficking of pro-death receptor TRAIL-R1 (DR4) to the plasma membrane, thus promoting the TRAIL-

induced apoptosis in certain cell types. ARAP1 also affects cell spreading.

Function Phosphatidylinositol 3,4,5-trisphosphate-dependent GTPase-activating protein that modulates actin

cytoskeleton remodeling by regulating ARF and RHO family members. Is activated by phosphatidylinositol 3,4,5-trisphosphate (PtdIns(3,4,5)P3) binding. Can be activated by

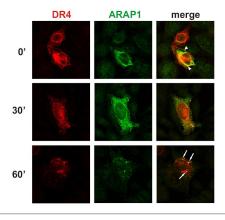
phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4,5)P2) binding, albeit with lower efficiency. Has a

preference for ARF1 and ARF5 (By similarity). [UniProt]

Research Area Signaling Transduction antibody

Calculated Mw 162 kDa

#### **Images**



#### ARG62673 anti-ARAP1 antibody [ARAP1-2] ICC/IF image

Immunofluorescence: ARAP1-transfected NCTC cells treated with TRAIL for 0′, 30′ or 60′ stained with ARG62673 anti-ARAP1 antibody [ARAP1-2] (green)

DR4 was detected by rabbit polyclonal antibody (red).