

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

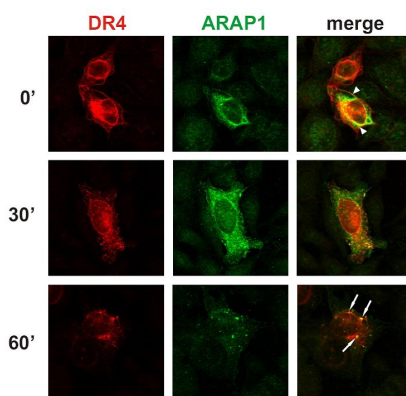
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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

Bioinformation

Database links	GeneID: 116985 Human 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 repeat. 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).