

Datasheet for ABIN302078

anti-ARAP1 antibody (AA 1190-1450)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	ARAP1
Binding Specificity:	AA 1190-1450
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ARAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	His6-tagged protein corresponding to amino acids 1190-1450 of human ARAP1
Clone:	ARAP1-2
Isotype:	IgG1
Specificity:	The antibody ARAP1-2 reacts with C-terminal part of ARAP1 (intracellular epitope), a 160 kDa adaptor protein.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	ARAP1
Alternative Name:	ARAP1 (ARAP1 Products)
Background:	ArfGAP with RhoGAP domain, ankyrin repeat and PH d,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.,CED2, CENTD2
Gene ID:	116985
UniProt:	Q96P48

Application Details

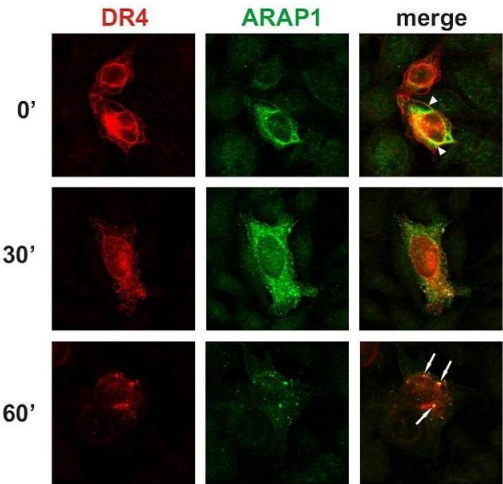
Application Notes:	Western blotting: Recommended dilution: 2 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

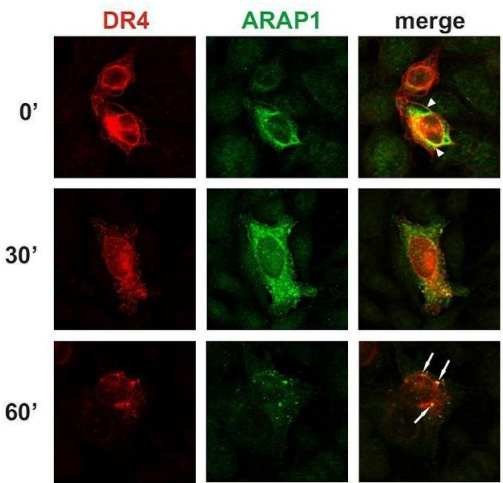
Publications

Product cited in:	Símová, Klíma, Cermak, Sourková, Andera: "Arf and Rho GAP adapter protein ARAP1 participates in the mobilization of TRAIL-R1/DR4 to the plasma membrane." in: Apoptosis : an international journal on programmed cell death , Vol. 13, Issue 3, pp. 423-36, (2008) (PubMed).
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Immunocytochemistry

Image 1. Immunocytochemistry detection of colocalization of ARAP1 with DR4 at the 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 ARAP1-2 mouse monoclonal antibody (green). Arrowheads show ARAP1-DR4 colocalization at the plasma membrane and intracellular membranes, whereas arrows show their colocalization in early endosomes.



Immunofluorescence

Image 2. Colocalization of ARAP1 with DR4 at the 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 ARAP1-2 mouse monoclonal antibody (green). Arrowheads show ARAP1-DR4 colocalization at the plasma membrane and intracellular membranes, whereas arrows show their colocalization in early endosomes.