

Product datasheet for **AM03037PU-N**

ARAP1 Mouse Monoclonal Antibody [Clone ID: ARAP1-2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	ARAP1-2
Applications:	IF, IP, WB
Recommended Dilution:	Suitable for Western Blotting (2 µg/ml). Immunoprecipitation. Immunocytochemistry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	His6-tagged protein corresponding to amino acids 1190-1450 of human ARAP1
Specificity:	The antibody ARAP1-2 reacts with C-terminal part of ARAP1, a 160 kDa adaptor protein.
Formulation:	PBS, pH 7.4 with 15 mM sodium azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE)
Concentration:	lot specific
Purification:	Protein A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid freeze/thaw cycles.
Stability:	Shelf life: One year from despatch.
Gene Name:	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1
Database Link:	Entrez Gene 116985 Human Q96P48



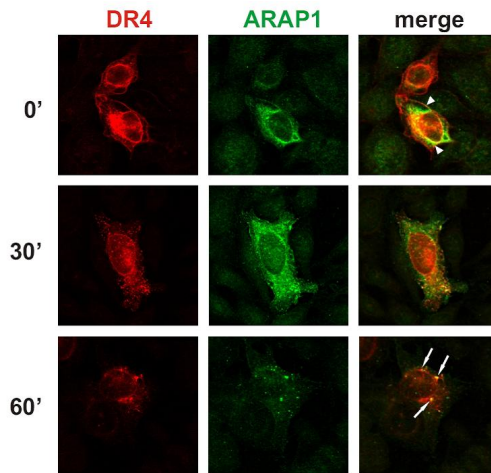
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Background:

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.

Synonyms:

KIAA0782, Centaurin-delta-2

Product images:


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.