Datasheet for ABIN2854404

anti-RAP1A antibody (Center)

2 Images | 1 Publication

Go to Product page

Overview

Quantity:	100 µL
Target:	RAP1A
Binding Specificity:	Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAP1A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human RAP1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Rhesus Monkey, Cow (Bovine)
Cross-Reactivity (Details):	Mouse (100 %), Rat (100 %), Rhesus Monkey (100 %), Bovine (100 %)
Characteristics:	Rabbit polyclonal antibody to RAP1A (RAP1A, member of RAS oncogene family) RAP1 antibody
Purification:	Purified by antigen-affinity chromatography.

Copyright antibodies-online. All rights reserved.

Target Details

Target:	RAP1A
Alternative Name:	RAP1 (RAP1A Products)
Background:	The product of this gene belongs to the family of RAS-related proteins. These proteins share approximately 50 % amino acid identity with the classical RAS proteins and have numerous structural features in common. The most striking difference between RAP proteins and RAS proteins resides in their 61st amino acid: glutamine in RAS is replaced by threonine in RAP proteins. The product of this gene counteracts the mitogenic function of RAS because it can interact with RAS GAPs and RAF in a competitive manner. Two transcript variants encoding the same protein have been identified for this gene. Cellular Localization: Cell membrane, Lipid-anchor
Molecular Weight:	21 kDa
Gene ID:	5906
Pathways:	TCR Signaling, Neurotrophin Signaling Pathway, Signaling of Hepatocyte Growth Factor Receptor

Application Details

Application Notes:	Suggested dilution Reference Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceWestern blot1:500-1:3000*
Comment:	Positive Control: 293T , A431 , H1299 , HeLa , HepG2 , Molt-4 , Raji
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.53 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

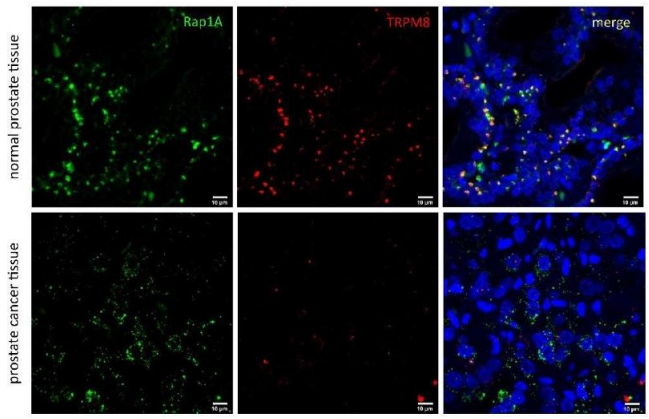
Handling

Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

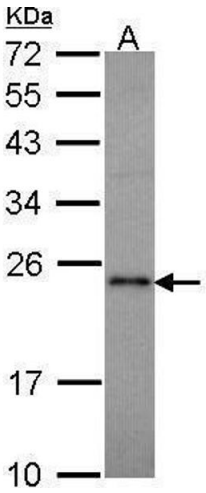
Product cited in:	Hinderer, Sudrow, Schneider, Holeiter, Layland, Seifert, Schenke-Layland: "Surface functionalization of electrospun scaffolds using recombinant human decorin attracts circulating endothelial progenitor cells." in: **Scientific reports**, Vol. 8, Issue 1, pp. 110, (2018) (PubMed).

Validation report #104334 for Multiplex Immunohistochemistry (mIHC)



Immunostaining

Image 1. Representative confocal micrographs of healthy prostate tissue and prostate adenorcarcinoma (Gleason 5) microarrays (Biomax Inc.) stained for Rap1A (green - anti-Rap1A ABIN2854404) and TRPM8 (red - anti-TRPM8 ABIN572229). Nuclei are counterstained with DAPI (blue). Scale bar: 10 µm Source: PMID35565390



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: Molt-4 , 12% SDS PAGE RAP1A antibody antibody diluted at 1:1000