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anti-RASA1 antibody (AA 140-220)

Images



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Quantity:	100 μL
Target:	RASA1
Binding Specificity:	AA 140-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RASA1 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 140-220 of human RASA1 (NP_002881.1).
Sequence:	PPYLPPLGAG LGTVDEGDSL DGPEYEEEEV AIPLTAPPTN QWYHGKLDRT IAEERLRQAG KSGSYLIRES DRRPGSFVLS F
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Target Details	
Target:	RASA1

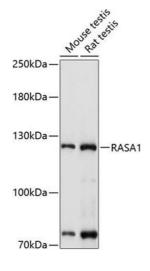
Target Details

Alternative Name:	RASA1 (RASA1 Products)
Background:	The protein encoded by this gene is located in the cytoplasm and is part of the GAP1 family of
	GTPase-activating proteins. The gene product stimulates the GTPase activity of normal RAS
	p21 but not its oncogenic counterpart. Acting as a suppressor of RAS function, the protein
	enhances the weak intrinsic GTPase activity of RAS proteins resulting in the inactive GDP-
	bound form of RAS, thereby allowing control of cellular proliferation and differentiation.
	Mutations leading to changes in the binding sites of either protein are associated with basal cel
	carcinomas. Mutations also have been associated with hereditary capillary malformations (CM
	with or without arteriovenous malformations (AVM) and Parkes Weber syndrome. Alternative
	splicing results in two isoforms where the shorter isoform, lacking the N-terminal hydrophobic
	region but retaining the same activity, appears to be abundantly expressed in placental but not
	adult tissues.,RASA1,CM-
	AVM,CMAVM,GAP,PKWS,RASA,RASGAP,p120,p120GAP,p120RASGAP,Cancer,Signal
	Transduction,G protein signaling,Signal Transduction,Cell Biology & Developmental
	Biology,Apoptosis,Immunology & Inflammation,B Cell Receptor Signaling Pathway,RASA1
Molecular Weight:	58 kDa/100 kDa/101 kDa/116 kDa
Gene ID:	5921
UniProt:	P20936
Pathways:	Regulation of Actin Filament Polymerization, Signaling of Hepatocyte Growth Factor Receptor,
	VEGFR1 Specific Signals
Application Details	
Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.

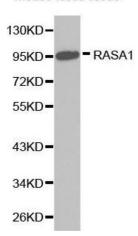
Handling

Handling Advice:	Avoid freeze / thaw cycles	
Storage:	-20 °C	
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.		

Validation report #104228 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



mouse testis tissue



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using R antibody (ABIN3022296, ABIN3022297, ABIN3022298 and ABIN6218715) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

Western Blotting

Image 2.