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Rap1a Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14958

Product Information

Application	WB
Primary Accession	P62835
Other Accession	NM_145541, NP_663516
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20987

Additional Information

Gene ID	109905
Alias Symbol	AI848598, G-22K, Krev-1, Rap1
Other Names	Ras-related protein Rap-1A, Ras-related protein Krev-1, Rap1a, Krev-1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Rap1a antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Rap1a Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

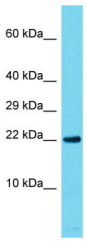
Name	Rap1a
Synonyms	Krev-1
Function	Counteracts the mitogenic function of Ras, at least partly because it can interact with Ras GAPs and RAF in a competitive manner. Together with ITGB1BP1, regulates KRIT1 localization to microtubules and membranes (By similarity). Plays a role in nerve growth factor (NGF)-induced neurite outgrowth. Plays a role in the regulation of embryonic blood vessel formation. Involved in the establishment of basal endothelial barrier function. Facilitates the progressive accumulation of CDH1 at mature desmosome junctions via cAMP-dependent signaling and its interaction with PKP3 (By similarity). May

	be involved in the regulation of the vascular endothelial growth factor receptor KDR expression at endothelial cell-cell junctions.
Cellular Location	Cell membrane; Lipid-anchor. Cell junction. Cytoplasm. Cytoplasm, perinuclear region. Early endosome. Late endosome. Note=Recruited from early endosome to late endosome compartment after nerve growth factor (NGF) stimulation. Colocalized with RAPGEF2 in the perinuclear region (By similarity). Localized with RAPGEF2 at cell-cell junctions
Tissue Location	Expressed in the testis and sperm midpiece (at protein level).

References

Kanemura H.,et al.Biochem. Biophys. Res. Commun. 387:754-759(2009).

Images



Host: Rabbit
Target Name: Rap1a
Sample Tissue: Mouse Testis lysates
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.