

Rap1a Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14958

Product Information

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|--------------------------|---|
| 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

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| 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

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|-----------------|--|
| 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

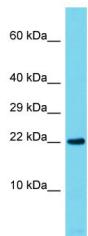
Tissue Location

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: 1.0 μ g/ml

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