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Arhgef4 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14374

Specification

Arhgef4 Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q7TNR9
Other Accession	NM_183019, NP_898840
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**57kDa KDa**

Arhgef4 Antibody - N-terminal region - Additional Information

Gene ID 226970

Alias Symbol	**9330140K16Rik, Asef, ENSMUSG00000070955**

Other Names
Rho guanine nucleotide exchange factor 4, APC-stimulated guanine nucleotide exchange factor, Asef, Arhgef4, Kiaa1112

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-Arhgef4 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
Arhgef4 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Arhgef4 Antibody - N-terminal region - Protein Information

Name Arhgef4

Synonyms Kiaa1112

Function
Acts as a guanine nucleotide exchange factor (GEF) for RHOA, RAC1 and CDC42 GTPases. Binding of APC may activate RAC1 GEF activity. The APC-ARHGEF4 complex seems to be involved in cell migration as well as in E-cadherin-mediated cell-cell adhesion (By similarity). Required for MMP9

up-regulation via the JNK signaling pathway in colorectal tumor cells. Involved in tumor angiogenesis and may play a role in intestinal adenoma formation and tumor progression.

Cellular Location
Cytoplasm. Note=Colocalized with APC in the synapse of olfactory glomerulus

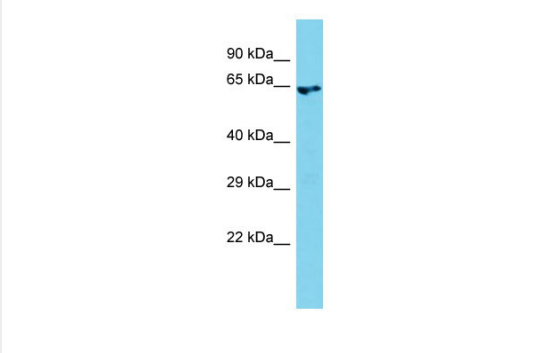
Tissue Location
Expressed in colon epithelial cells. Highly expressed in CNS, including hippocampus, olfactory bulb and cerebellum Expression is aberrantly enhanced in most colorectal tumors

Arhgef4 Antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Arhgef4 Antibody - N-terminal region - Images



Host: Rabbit
Target Name: Arhgef4
Sample Tissue: Mouse Testis lysates
Antibody Dilution: 1.0µg/ml

Arhgef4 Antibody - N-terminal region - References

Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Okazaki N.,et al.DNA Res. 10:35-48(2003).
Okazaki N.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Kawasaki Y.,et al.Science 289:1194-1197(2000).
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