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ARHGAP19 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14552

Product Information

Application	WB
Primary Accession	Q14CB8
Other Accession	NM_032900, NP_116289
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Bovine
Predicted	Human, Rabbit, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55756

Additional Information

Gene ID	84986
Alias Symbol	DKFZp313K217, MGC138804, MGC138805, MGC14258
Other Names	Rho GTPase-activating protein 19, Rho-type GTPase-activating protein 19, ARHGAP19
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-ARHGAP19 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	ARHGAP19 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ARHGAP19 {ECO:0000303|PubMed:17454002, ECO:0000312|HGNC:HGNC:23724}
Function	Has GTPase activator activity toward RHOA; RHOA activation results in GTP hydrolysis and conversion from an active GTP-bound to an inactive GDP-bound state (PubMed:24259668, PubMed:41086021). Lacks GTPase activator activity toward RAC1 or CDC42 (PubMed:24259668).
Cellular Location	Nucleus. Cytoplasm Cytoplasm, cell cortex. Note=Localization changes during the cell cycle. In prophase and metaphase, it is dispersed in the cytoplasm; after anaphase onset, it is recruited at the cell cortex, and during cleavage furrow ingression and until the end of telophase, it concentrates at the

equatorial cortex

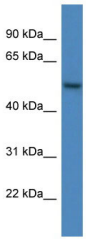
Tissue Location

Strong expression in fetal heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Weak expression in adult pancreas, spleen, thymus, and ovary. Expressed in T-lymphocytes; expression varies during the cell cycle and is high at mitosis (PubMed:24259668).

References

Lv L.,et al.DNA Seq. 18:184-189(2007).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Jikuya H.,et al.DNA Res. 10:49-57(2003).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Deloukas P.,et al.Nature 429:375-381(2004).

Images



WB Suggested Anti-ARHGAP19 Antibody Titration: 1.0 µg/ml
Positive Control: PANC1 Whole CellARHGAP19 is supported by BioGPS gene expression data to be expressed in PANC1

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