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RHOU antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11869

Product Information

Application	WB
Primary Accession	Q7L0Q8
Other Accession	NM_021205, NP_067028
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rabbit, Chicken, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28218

Additional Information

Gene ID	58480
Alias Symbol	ARHU, CDC42L1, DJ646B12.2, FLJ10616, WRCH1, fJ646B12.2, hG28K
Other Names	Rho-related GTP-binding protein RhoU, CDC42-like GTPase 1, GTP-binding protein-like 1, Rho GTPase-like protein ARHU, Ryu GTPase, Wnt-1 responsive Cdc42 homolog 1, WRCH-1, RHOU (HGNC:17794)
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-RHOU 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	RHOU antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

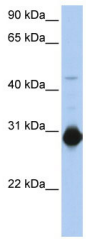
Name	RHOU (HGNC:17794)
Function	Binds to and activates protein kinase PAK1 (PubMed: 11459829). Plays a role in the regulation of cell morphology, cytoskeletal organization and focal adhesion assembly during cell migration (PubMed:11459829, PubMed:17620058, PubMed:18086875, PubMed:21834987). Also stimulates quiescent cells to reenter the cell cycle (PubMed:11459829). Has no detectable GTPase activity but its high intrinsic guanine nucleotide exchange activity suggests it is constitutively GTP-bound (PubMed:16472646).
Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane;

	Lipid-anchor. Cell junction, focal adhesion. Cell projection, podosome Note=Localizes to podosomes in SRC-transformed cells
Tissue Location	Ubiquitously expressed in all tissues examined. Expressed at high levels in the stomach, small intestine, brain, skeletal muscle and placenta.

References

Chuang,Y.Y., J. Cell. Sci. 120 (PT 11), 1927-1934 (2007)Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-RHOU Antibody Titration: 0.2-1 µg/ml
Positive Control: Human Muscle

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