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PHACTR1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13789

Product Information

Application	WB, IHC
Primary Accession	Q9C0D0
Other Accession	NM_030948, NP_112210
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Mouse, Rat, Chicken, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66308

Additional Information

Gene ID	221692
Alias Symbol	KIAA1733, MGC126575, MGC126577, RPEL, RPEL1, dJ257A7.2
Other Names	Phosphatase and actin regulator 1, PHACTR1, KIAA1733, RPEL1
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-PHACTR1 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	PHACTR1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

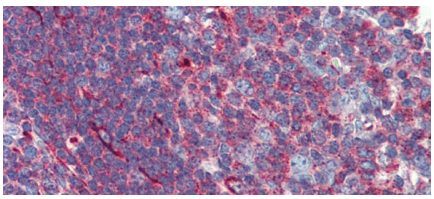
Name	PHACTR1
Synonyms	KIAA1733, RPEL1
Function	Binds actin monomers (G actin) and plays a role in multiple processes including the regulation of actin cytoskeleton dynamics, actin stress fibers formation, cell motility and survival, formation of tubules by endothelial cells, and regulation of PPP1CA activity (PubMed:21798305, PubMed:21939755). Involved in the regulation of cortical neuron migration and dendrite arborization (By similarity).
Cellular Location	Cytoplasm. Synapse. Nucleus. Note=Enriched at synapses (By similarity)

	Cytoplasmic in resting cells, and is imported into the nucleus upon serum stimulation. Interaction with actin prevents nuclear import (By similarity).
Tissue Location	Detected in umbilical vein endothelial cells.

References

Nagase T.,et al.DNA Res. 7:347-355(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mungall A.J.,et al.Nature 425:805-811(2003).
Jarray R.,et al.Biochimie 93:1668-1675(2011).
Allain B.,et al.Cell. Signal. 24:214-223(2012).

Images



Immunohistochemistry with Human Tonsil lysate tissue at an antibody concentration of 5.0µg/ml using anti-PHACTR1 antibody (AI13789)



WB Suggested Anti-PHACTR1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Jurkat cell lysate

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