

PHACTR1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13789**Specification**

PHACTR1 antibody - middle region - Product Information

Application	IHC, WB
Primary Accession	O9C0D0
Other Accession	NM_030948 , NP_112210
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Chicken, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66kDa kDa

PHACTR1 antibody - middle region - 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.

PHACTR1 antibody - middle region - 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:<a

<http://www.uniprot.org/citations/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

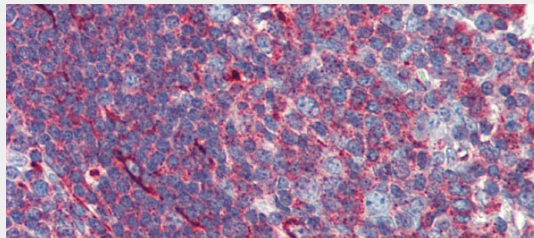
Detected in umbilical vein endothelial cells.

PHACTR1 antibody - middle region - Protocols

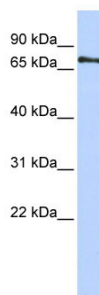
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PHACTR1 antibody - middle region - 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

PHACTR1 antibody - middle region - 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).