

Anti-PHACTR4 antibody



Description	Rabbit polyclonal to PHACTR4.
Model	STJ95059
Host	Rabbit
Reactivity	Human
Applications	ELISA, FC, WB
Immunogen	Synthesized peptide derived from human PHACTR4
Immunogen Region	340-420 aa, Internal
Gene ID	65979
Gene Symbol	PHACTR4
Dilution range	WB 1:500-1:2000ICC 1:200-1:1000ELISA 1:10000
Specificity	PHACTR4 Polyclonal Antibody detects endogenous levels of PHACTR4 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Phosphatase and actin regulator 4
Molecular Weight	80 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:25793 OMIM:608726
Alternative Names	Phosphatase and actin regulator 4
Function	Regulator of protein phosphatase 1 (PP1) required for neural tube and optic fissure closure, and enteric neural crest cell (ENCCs) migration during development. Acts as an activator of PP1 by interacting with PPP1CA and preventing phosphorylation of PPP1CA at 'Thr-320'. During neural tube closure, localizes to the ventral neural tube and activates PP1, leading to down-regulate cell proliferation within cranial neural tissue and the neural retina. Also acts as a regulator of migration of enteric neural crest cells (ENCCs) by activating PP1, leading to dephosphorylation and subsequent activation of cofilin (COF1 or COF2) and repression of the integrin signaling through the RHO/ROCK pathway .
Cellular Localization	Cytoplasm Cell projection, lamellipodium

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