

PHACTR3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12836A

Product Information

Application	WB, IHC-P, E
Primary Accession	Q96KR7
Other Accession	NP_899067.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32568
Calculated MW	62552
Antigen Region	17-46

Additional Information

Gene ID	116154
Other Names	Phosphatase and actin regulator 3, Scaffold-associated PP1-inhibiting protein, Scapinin, PHACTR3, C20orf101, SCAPIN1
Target/Specificity	This PHACTR3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-46 amino acids from the N-terminal region of human PHACTR3.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PHACTR3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PHACTR3
Synonyms	C20orf101, SCAPIN1

Cellular Location	Nucleus matrix. Note=Localized to the nuclear matrix-intermediate filament scaffold. Isoform 2 is also found in some cytoplasmic extensions
Tissue Location	Abundantly expressed in brain. Also found in several tumors such as lung carcinomas, nervous tumors and HL-60 leukemia cells. Isoform 3 is the major form in U-937, GOTO and HL-60 leukemia cells

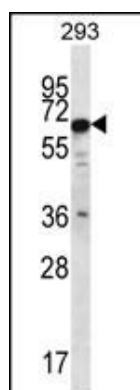
Background

The protein encoded by this gene is associated with the nuclear scaffold in proliferating cells. It was found to bind to the catalytic subunit of protein phosphatase-1 (PP1) and inhibit PP1 activity, suggesting that this protein may function as a regulatory subunit of PP1. Alternative splicing at this locus results in several transcript variants encoding different isoforms.

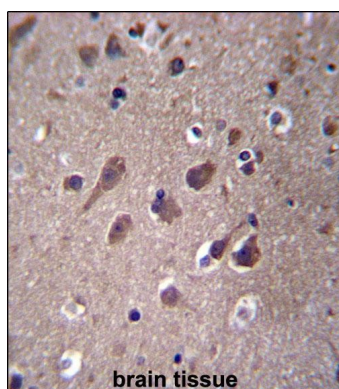
References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
 Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
 Bankovic, J., et al. Lung Cancer 67(2):151-159(2010)
 Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
 Sagara, J., et al. PLoS ONE 4 (1), E4247 (2009) :

Images



PHACTR3 Antibody (N-term) (Cat. #AP12836a) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the PHACTR3 antibody detected the PHACTR3 protein (arrow).



PHACTR3 Antibody (N-term) (Cat. #AP12836a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PHACTR3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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