

RAB40AL Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12011a

Product Information

Application	WB, IHC-P, E
Primary Accession	P0C0E4
Other Accession	Q8WXH6 , NP_001027004.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31643
Calculated MW	31239
Antigen Region	7-36

Additional Information

Gene ID	282808
Other Names	Ras-related protein Rab-40A-like, Ras-like GTPase, RAB40AL, RLGP
Target/Specificity	This RAB40AL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-36 amino acids from the N-terminal region of human RAB40AL.
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	RAB40AL Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RAB40AL (HGNC:25410)
Function	May act as substrate-recognition component of the ECS(RAB40) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (By similarity). The Rab40

subfamily belongs to the Rab family that are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (By similarity).

Cellular Location

Membrane; Lipid-anchor; Cytoplasmic side. Cytoplasm. Mitochondrion

Tissue Location

Expressed in brain, lung, heart, skeletal muscle, kidney and liver. Highest expression in brain. Expressed in fetal brain and kidney.

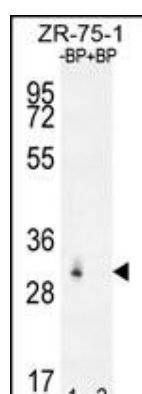
Background

This gene encodes a member of the Rab40 subfamily of Rab small GTP-binding proteins that contains a C-terminal suppressors of cytokine signaling box. Disruptions in this gene are associated with Duchenne muscular dystrophy.

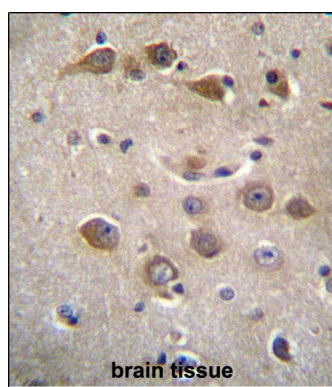
References

Saito-Ohara, F., et al. Am. J. Hum. Genet. 71(3):637-645(2002) Kile, B.T., et al. Trends Biochem. Sci. 27(5):235-241(2002)

Images



Western blot analysis of RAB40AL Antibdy (N-term) Pab (Cat. #AP12011a) pre-incubated without(lane 1) and with(lane 2) blocking peptide in ZR-75-1 cell line lysate. RAB40AL Antibdy (N-term) (arrow) was detected using the purified Pab.



RAB40AL Antibdy (N-term) (Cat. #AP12011a)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 RAB40AL Antibdy (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'.