10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RILPL1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10297b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q5EBL4
Other Accession	Q0IHE5, Q9JJC6, Q17QG3, NP_847884.2
Reactivity	Human, Mouse
Predicted	Bovine, Xenopus, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27803
Calculated MW	47108
Antigen Region	337-366

Additional Information

Gene ID	353116
Other Names	RILP-like protein 1, Rab-interacting lysosomal-like protein 1, RILPL1, RLP1
Target/Specificity	This RILPL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 337-366 amino acids from the C-terminal region of human RILPL1.
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	RILPL1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

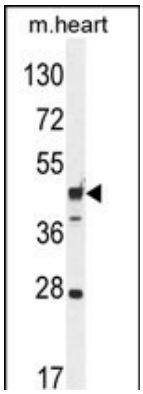
Name	RILPL1
Synonyms	RLP1
Function	Plays a role in the regulation of cell shape and polarity (By similarity). Plays

	a role in cellular protein transport, including protein transport away from primary cilia (By similarity). Neuroprotective protein, which acts by sequestring GAPDH in the cytosol and prevent the apoptotic function of GAPDH in the nucleus (By similarity). Competes with SIAH1 for binding GAPDH (By similarity). Does not regulate lysosomal morphology and distribution (PubMed:14668488). Binds to RAB10 following LRRK2-mediated RAB10 phosphorylation which leads to inhibition of ciliogenesis (PubMed:30398148).
Cellular Location	Cytoplasm, cytosol. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Cytoplasm, cytoskeleton, cilium basal body
Tissue Location	Widely expressed. Expressed at lower level in liver and kidney.

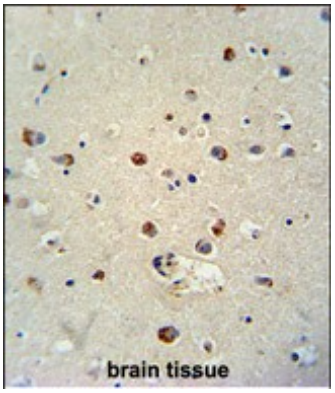
References

Wang, T., et al. Mol. Biol. Cell 15(2):815-826(2004)

Images



RILPL1 Antibody (C-term) (Cat. #AP10297b) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the RILPL1 antibody detected the RILPL1 protein (arrow).



RILPL1 antibody (C-term) (Cat. #AP10297b) 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 the RILPL1 antibody (C-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'.