

LARP6 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10830A

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9BRS8
Other Accession	NP_060827.2
Reactivity	Human, Mouse, Rat
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28118
Calculated MW	54737
Antigen Region	7-35

Additional Information

Gene ID	55323
Other Names	La-related protein 6, Acheron, Achn, La ribonucleoprotein domain family member 6, LARP6
Target/Specificity	This LARP6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-35 amino acids from the N-terminal region of human LARP6.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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	LARP6 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LARP6
Function	Regulates the coordinated translation of type I collagen alpha-1 and alpha-2

mRNAs, CO1A1 and CO1A2. Stabilizes mRNAs through high-affinity binding of a stem-loop structure in their 5' UTR. This regulation requires VIM and MYH10 filaments, and the helicase DHX9.

Cellular Location	Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm
Tissue Location	Expressed in numerous tissues.

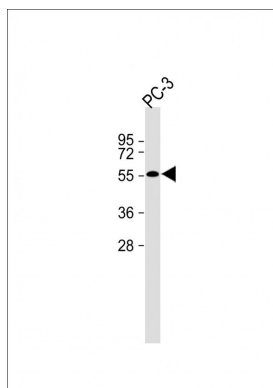
Background

LARP6 is a member of the La ribonucleoprotein domain family, which all contain one characteristic La motif. LARP6 shuttles between the cytoplasm and nucleus. It is proposed that members of this family play a role in translation and mRNA stability.

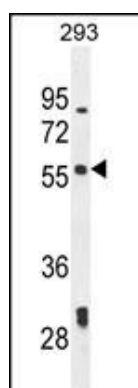
References

Cai, L., et al. J. Mol. Biol. 395(2):309-326(2010)
Glenn, H.L., et al. Am. J. Physiol., Cell Physiol. 298 (1), C46-C55 (2010) :
Valavanis, C., et al. Gene 393 (1-2), 101-109 (2007) :
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Olsen, J.V., et al. Cell 127(3):635-648(2006)

Images

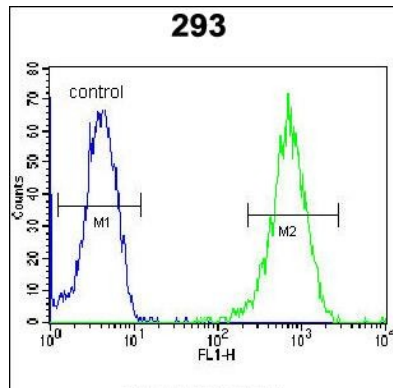
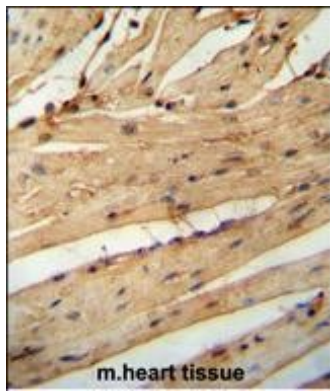


All lanes : Anti-LARP6 Antibody (N-term) at 1:1000 dilution
Lane 1: PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



LARP6 Antibody (N-term) (Cat. #AP10830a) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the LARP6 antibody detected the LARP6 protein (arrow).

LARP6 antibody (N-term) (Cat. #AP10830a) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the LARP6 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



LARP6 Antibody (N-term) (Cat. #AP10830a) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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