

PAIP2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16769a

Product Information

Application	WB, E
Primary Accession	Q9BPZ3
Other Accession	Q5ZJS6 , Q3ZC67 , NP_057564.3 , NP_001028284.1
Reactivity	Human
Predicted	Bovine, Chicken, Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30366
Calculated MW	14984
Antigen Region	7-34

Additional Information

Gene ID	51247
Other Names	Polyadenylate-binding protein-interacting protein 2, PABP-interacting protein 2, PAIP-2, Poly(A)-binding protein-interacting protein 2, PAIP2, PAIP2A
Target/Specificity	This PAIP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-34 amino acids from the N-terminal region of human PAIP2.
Dilution	WB~~1:1000 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	PAIP2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PAIP2
Synonyms	PAIP2A

Function	Acts as a repressor in the regulation of translation initiation of poly(A)-containing mRNAs. Its inhibitory activity on translation is mediated via its action on PABPC1. Displaces the interaction of PABPC1 with poly(A) RNA and competes with PAIP1 for binding to PABPC1. Its association with PABPC1 results in disruption of the cytoplasmic poly(A) RNP structure organization.
Cellular Location	Cytoplasm.
Tissue Location	Expressed at highest level in testis, but also abundant in brain, cervix, lung, ovary, placenta, adipose tissue, thymus and thyroid.

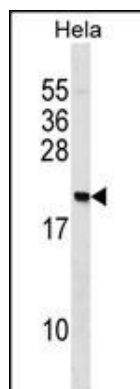
Background

PAIP2 acts as a repressor in the regulation of translation initiation of poly(A)-containing mRNAs. Its inhibitory activity on translation is mediated via its action on PABPC1. Displaces the interaction of PABPC1 with poly(A) RNA and competes with PAIP1 for binding to PABPC1. Its association with PABPC1 results in disruption of the cytoplasmic poly(A) RNP structure organization.

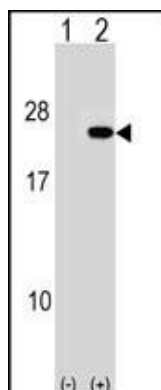
References

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Yoshida, M., et al. EMBO J. 25(9):1934-1944(2006)
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Images



PAIP2 Antibody (N-term) (Cat. #AP16769a) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the PAIP2 antibody detected the PAIP2 protein (arrow).



Western blot analysis of PAIP2 (arrow) using rabbit polyclonal PAIP2 Antibody (N-term) (Cat. #AP16769a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PAIP2 gene.