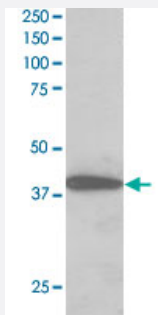


PPP1R8 polyclonal antibody

Catalog # PAB6447

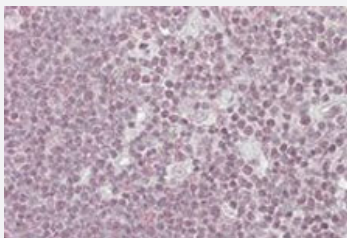
Size 100 ug

Applications



Western Blot (Cell lysate)

PPP1R8 polyclonal antibody (Cat # PAB6447) staining (2 ug/mL) of NCI-H460 lysate (RIPA buffer, 30 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

PPP1R8 polyclonal antibody (Cat # PAB6447) (3.8 ug/mL) staining of paraffin embedded human thymus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of PPP1R8.
Immunogen	A synthetic peptide corresponding to C terminus of human PPP1R8.
Sequence	C-EAWPGKKPTPSLLI
Host	Goat
Theoretical MW (kDa)	13.3, 38.5, 22.7
Reactivity	Human
Specificity	This antibody is expected to recognize all three human isoforms of this protein.

Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western Blot (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2.5-3.8 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PPP1R8

Entrez GeneID	5511
Protein Accession#	NP_002704;NP_054829;NP_612568
Gene Name	PPP1R8
Gene Alias	ARD-1, ARD1, NIPP-1, NIPP1, PRO2047
Gene Description	protein phosphatase 1, regulatory (inhibitor) subunit 8
Omim ID	602636

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene, through alternative splicing, encodes three different isoforms. Two of the protein isoforms encoded by this gene are specific inhibitors of type 1 serine/threonine protein phosphatases and can bind but not cleave RNA. The third protein isoform lacks the phosphatase inhibitory function but is a single-strand endoribonuclease comparable to RNase E of E. coli. This isoform requires magnesium for its function and cleaves specific sites in A+U-rich regions of RNA. [provided by RefSeq]

Other Designations

OTTHUMP00000003847|OTTHUMP00000003848|OTTHUMP00000003849|OTTHUMP00000044938|RNase E|activator of RNA decay|nuclear inhibitor of protein phosphatase-1|nuclear subunit of PP-1|protein phosphatase 1 regulatory inhibitor subunit 8|protein phosphatase 1 regula

Publication Reference

- [The protein phosphatase-1 regulator NIPP1 is also a splicing factor involved in a late step of spliceosome assembly.](#)

Beullens M, Bollen M.

The Journal of Biological Chemistry 2002 May; 277(22):19855.

Application: IP, Recombinant protein