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

NIPP1 Rabbit pAb

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Catalog # AP58086

Product Information

Application	WB
Primary Accession	Q12972
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Zebrafish, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38479
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NIPP1
Epitope Specificity	21-120/351
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Nucleus speckle. Note=Primarily, but not exclusively, nuclear. Isoform Gamma: Cytoplasm. Note=Found mainly in the cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Inhibitor subunit of the major nuclear protein phosphatase 1 (PP1). It has RNA binding activity but does not cleave RNA and may target PP1 to RNA associated substrates. May also be involved in pre mRNA splicing. Binds DNA and might act as a transcriptional repressor. Seems to be required for cell proliferation.

Additional Information

Gene ID	5511
Other Names	Nuclear inhibitor of protein phosphatase 1, NIPP-1, Protein phosphatase 1 regulatory inhibitor subunit 8, Activator of RNA decay, 3.1.4.-, ARD-1, PPP1R8, ARD1, NIPP1
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PPP1R8
Synonyms	ARD1, NIPP1
Function	Inhibitor subunit of the major nuclear protein phosphatase-1 (PP-1). It has RNA-binding activity but does not cleave RNA and may target PP-1 to RNA-associated substrates. May also be involved in pre- mRNA splicing. Binds DNA and might act as a transcriptional repressor. Seems to be required for cell proliferation.
Cellular Location	Nucleus. Nucleus speckle. Note=Primarily, but not exclusively, nuclear
Tissue Location	Ubiquitously expressed, with highest levels in heart and skeletal muscle, followed by brain, placenta, lung, liver and pancreas. Less abundant in kidney. The concentration and ratio between isoforms is cell-type dependent. Isoform Alpha (>90%) and isoform Beta were found in brain, heart and kidney. Isoform Gamma is mainly found in B-cells and T-lymphocytes, and has been found in 293 embryonic kidney cells.

Background

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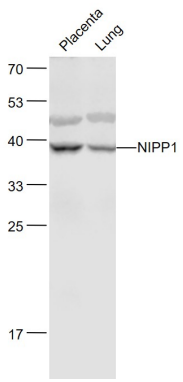
Images



Sample:
Placenta (Mouse) Lysate at 40 ug
Lung (Mouse) Lysate at 40 ug
Primary: Anti- NIPP1 (AP58086) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 38 kD
Observed band size: 38 kD