

Rabbit NIPP1/Ppp1r8 Polyclonal Antibody | anti-Ppp1r8 antibody

Anti-NIPP1/Ppp1r8 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254424	Rabbit	Human Predicted to React with: Mouse (Species predicted to react based on 100% sequence homology)	Immunofluorescence, Immunocytochemistry, Western Blot

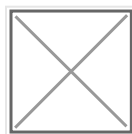
PRODUCT SYNONYMS

NIPP1/Ppp1r8; Polyclonal Antibody; Anti-NIPP1/Ppp1r8 Antibody; Rabbit Polyclonal; NIPP1/PPP1R8 Antibody; Rabbit PAb; Antigen Affinity Purified; protein phosphatase 1 regulatory subunit 8; Anti-ARD-1 Antibody; Anti-ARD1 Antibody; Anti-NIPP-1 Antibody; Anti-NIPP1 Antibody; Anti-PRO2047 Antibody; anti-Ppp1r8 antibody

PRODUCT SPECIFICATIONS

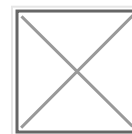
Host	Rabbit
Reactivity	Human Predicted to React with: Mouse (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NIPP1/Ppp1r8
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-Ppp1r8 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human NIPP1/PPP1R8
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human NIPP1/PPP1R8, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of PPP1R8 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human PPP1R8 polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.



WB (Western Blot)

Anti-PPP1R8 rabbit polyclonal antibody at 1:500 dilution
Lane A: HeLa Whole Cell Lysate
Lane B: HepG2 Whole Cell Lysate
Lane C: Jurkat Whole Cell Lysate
Lane D: 293T Whole Cell Lysate
Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 38 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-Ppp1r8 antibody	The ubiquitously expressed nuclear protein NIPP1 (also known as PPP1R8) recruits phosphoproteins for regulated dephosphorylation by the associated protein phosphatase PP1. The deletion of NIPP1 in mice is early embryonic lethal, which has precluded functional studies in adult tissues. Nuclear Inhibitor of PP1 (NIPP1; 351 residues in mouse), encoded by Ppp1r8, is one of the major nuclear interactors of PP1 and is expressed in nearly all eukaryotic cells. The N-terminal third of NIPP1 largely consists of a well-structured ForkHead-Associated (FHA) domain, while the remainder of the protein is intrinsically disordered but becomes partially structured upon binding to PP1. The FHA domain of NIPP1 mediates the recruitment of a subset of phosphoproteins, including the pre-mRNA splicing factors SAP155 and CDC5L, protein kinase MELK and the methyltransferase EZH2, for regulated dephosphorylation by associated PP1.
References	Ferreira M, et al. (2017) The protein phosphatase 1 regulator nipp1 is essential for mammalian spermatogenesis. Sci Rep 7 (1): 13364.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506015
NCBI GeneID	5511
NCBI Accession #	NP_002704.1
NCBI GenBank Nucleotide #	NM_002713.3
UniProt Accession #	Q12972; Q5TEJ2; Q5TEJ4; Q5TIF2; Q6PKF6; Q9UBH1; Q9UBZ0
Molecular Weight	38,479 Da
NCBI Official Full Name	nuclear inhibitor of protein phosphatase 1 isoform gamma
NCBI Official Synonym Full Names	protein phosphatase 1, regulatory subunit 8
NCBI Official Symbol	PPP1R8
NCBI Official Synonym Symbols	ARD1; ARD-1; NIPP1; NIPP-1; PRO2047
NCBI Protein Information	nuclear inhibitor of protein phosphatase 1; RNase E; activator of RNA decay; nuclear subunit of PP-1; protein phosphatase 1 regulatory subunit 8; nuclear inhibitor of protein phosphatase-1 alpha; protein phosphatase 1, regulatory (inhibitor) subunit 8
UniProt Protein Name	Nuclear inhibitor of protein phosphatase 1
UniProt Gene Name	PPP1R8
UniProt Synonym Gene Names	ARD1; NIPP1; NIPP-1
UniProt Entry Name	PP1R8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.