ARG63362
anti-NIPP1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes NIPP1
Tested Reactivity	Hu, Ms
Predict Reactivity	Cow, Dog
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise all three human isoforms of this protein.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	NIPP1
Species	Human
Immunogen	C-EAWPGKKPTPSLLI
Conjugation	Un-conjugated
Alternate Names	NIPP-1; NIPP1; Nuclear inhibitor of protein phosphatase 1; ARD-1; PRO2047; ARD1; EC 3.1.4.-; Protein phosphatase 1 regulatory inhibitor subunit 8

Application Instructions

Application table

Application	Dilution
IHC-P	2 - 4 µg/ml
WB	0.3 - 1 µg/ml

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

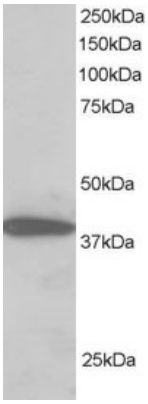
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

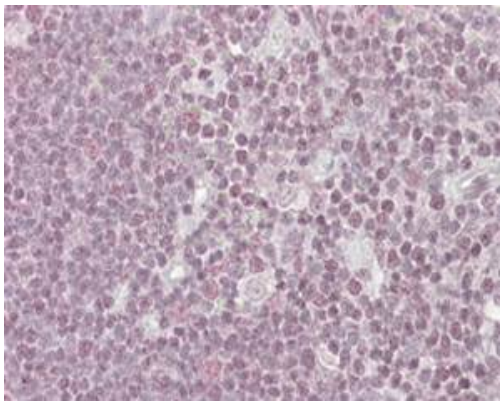
Database links	GeneID: 100336 Mouse GeneID: 5511 Human Swiss-port # Q12972 Human Swiss-port # Q8R3G1 Mouse
Background	This gene, through alternative splicing, encodes three different isoforms. Two of the protein isoforms encoded by this gene are specific inhibitors of type 1 serine/threonine protein 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, Jul 2008]
Research Area	Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	38 kDa
PTM	May be inactivated by phosphorylation on Ser-199 or Ser-204 (By similarity). Phosphorylated by Lyn in vitro on Tyr-264, and also on Tyr-335 in the presence of RNA.

Images



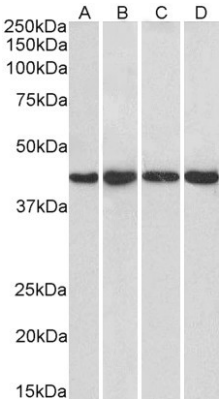
ARG63362 anti-NIPP1 antibody WB image

Western blot: 30 µg of H460 lysate stained with ARG63362 anti-NIPP1 antibody at 2 µg/ml dilution.



ARG63362 anti-NIPP1 antibody IHC image

Immunohistochemistry: paraffin-embedded Human Thymus (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63362 anti-NIPP1 antibody at 3.8 µg/ml dilution, followed by AP-staining.



ARG63362 anti-NIPP1 antibody WB image

Western blot: 35 µg of HeLa (A), HepG2 (B), Jurkat (C) and NIH/3T3 (D) nuclear lysates (in RIPA buffer) stained with ARG63362 anti-NIPP1 antibody at 1 µg/ml dilution and incubated at RT for 1 hour.