

ARD1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51809**Specification**

ARD1 Antibody - Product Information

Application	WB, E
Primary Accession	Q12972
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41 KDa

ARD1 Antibody - 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, 314-, ARD-1, PPP1R8, ARD1, NIPP1

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

ARD1 Antibody - 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.

ARD1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ARD1 Antibody - Images

ARD1 Antibody - Background

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.

ARD1 Antibody - References

Wang M.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:10591-10595(1994).
Van Eynde A.,et al.Eur. J. Biochem. 261:291-300(1999).
Liu J.P.,et al.Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).