

PNKD Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12567a

Specification

PNKD Antibody (N-term) - Product Information

| | |
|-------------------|---|
| Application | WB, IHC-P,E |
| Primary Accession | O8N490 |
| Other Accession | O69ZP3 , A7YY46 , NP_001070867.1 , NP_056303.3 |
| Reactivity | Mouse |
| Predicted | Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 42876 |
| Antigen Region | 42-70 |

PNKD Antibody (N-term) - Additional Information

Gene ID 25953

Other Names

Probable hydrolase PNKD, 3---, Myofibrillogenesis regulator 1, MR-1, Paroxysmal nonkinesigenic dyskinesia protein, Trans-activated by hepatitis C virus core protein 2, PNKD, KIAA1184, MR1, TAHCCP2

Target/Specificity

This PNKD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-70 amino acids from the N-terminal region of human PNKD.

Dilution

WB~~1:1000
IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PNKD Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PNKD Antibody (N-term) - Protein Information

Name PNKD

Synonyms KIAA1184, MR1, TAHCCP2

Function Probable hydrolase that plays an aggravative role in the development of cardiac hypertrophy via activation of the NF-kappa-B signaling pathway.

Cellular Location

[Isoform 1]: Membrane; Peripheral membrane protein [Isoform 3]: Mitochondrion.

Tissue Location

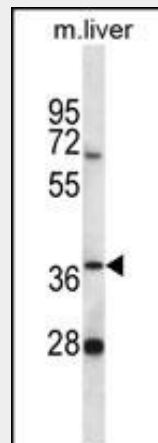
Isoform 1 is only expressed in the brain. Isoform 2 is ubiquitously detected with highest expression in skeletal muscle and detected in myocardial myofibrils. Variant Val-7 and Val-9 are detected in the brain only.

PNKD Antibody (N-term) - Protocols

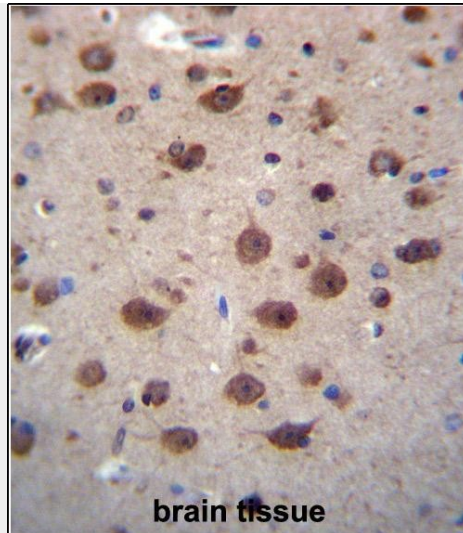
Provided below are standard protocols that you may find useful for product applications.

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

PNKD Antibody (N-term) - Images



PNKD Antibody (N-term) (Cat. #AP12567a) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the PNKD antibody detected the PNKD protein (arrow).



PNKD Antibody (N-term) (Cat. #AP12567a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PNKD Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

PNKD Antibody (N-term) - Background

This gene is thought to play a role in the regulation of myofibrillogenesis. Mutations in this gene have been associated with the movement disorder paroxysmal non-kinesigenic dyskinesia. Alternative splicing results in multiple transcript variants.

PNKD Antibody (N-term) - References

Yang, J., et al. *Neuron* 66(6):871-883(2010)
Davila, S., et al. *Genes Immun.* 11(3):232-238(2010)
Ghezzi, D., et al. *Hum. Mol. Genet.* 18(6):1058-1064(2009)
Friedman, A., et al. *Eur. Neurol.* 61(1):39-41(2009)
Ren, K., et al. *J. Biol. Chem.* 283(51):35598-35605(2008)