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PNKD Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12567a

Specification

PNKD Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q8N490

PNKD Antibody (N-term) Blocking peptide - Additional Information

Gene ID 25953

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PNKD Antibody (N-term) Blocking peptide - Protein Information

Name PNKD

Synonyms KIAA1184, MR1, TAHCCP2

Function
Probable thioesterase that may play a role in cellular detoxification processes; it likely acts on a yet-unknown alpha- hydroxythioester substrate (Probable). In vitro, it is able to catalyze the hydrolysis of S-D-lactoyl-glutathione to form glutathione and D- lactic acid at very low rate, though this reaction is not physiologically relevant in vivo (PubMed:21487022).

Cellular Location
[Isoform 1]: Cell membrane; Peripheral membrane protein. Mitochondrion [Isoform 3]: Mitochondrion. Golgi apparatus. Endoplasmic reticulum

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.

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PNKD Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

PNKD Antibody (N-term) Blocking peptide - Images

PNKD Antibody (N-term) Blocking peptide - Background

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

PNKD Antibody (N-term) Blocking peptide - 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)