

PNKD Rabbit pAb

CatalogNo: YN1104

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 42kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 140-220

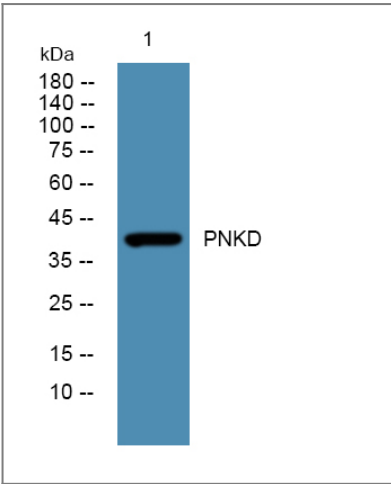
Specificity PNKD Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name PNKD KIAA1184 MR1 TAHCCP2 FKSG19 UNQ2491/PRO5778

Protein Name	Probable hydrolase PNKD (Myofibrillogenesis regulator 1) (MR-1) (Paroxysmal nonkinesigenic dyskinesia protein) (Trans-activated by hepatitis C virus core protein 2)		
	Organism	Gene ID	UniProt ID
	Human	25953;	Q8N490;
	Mouse		Q69ZP3;
Cellular Localization	[Isoform 1]: Membrane; Peripheral membrane protein.; [Isoform 2]: Cytoplasm. Nucleus.; [Isoform 3]: Mitochondrion.		
Tissue specificity	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.		
Function	<p>Disease:Defects in PNKD are the cause of dystonia type 8 (DYT8) [MIM:118800]. DYT8 is a paroxysmal non-kinesigenic dystonia/dyskinesia. Dystonia is defined by the presence of sustained involuntary muscle contractions, often leading to abnormal postures. DYT8 is characterized by attacks of involuntary movements brought on by stress, alcohol, fatigue or caffeine. The attacks generally last between a few seconds and four hours or longer. The attacks may begin in one limb and spread throughout the body, including the face.,Function:Probable hydrolase that plays an aggravative role in the development of cardiac hypertrophy via activation of the NF-kappa-B signaling pathway.,induction:By Hepatitis C virus core protein.,PTM:Isoform 2 is phosphorylated at Ser-121 upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the metallo-beta-lactamase superfamily. Glyoxalase II family.,subunit:Isoform 2 interacts with the sarcomeric proteins, MRLC2, MYOM1 and ENO3.,tissue specificity: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.,</p>		

Validation Data



Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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PNKD Rabbit pAb

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