

Product Datasheet

PNK Antibody - BSA Free NBP1-87257

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-87257

PNK Antibody - BSA Free

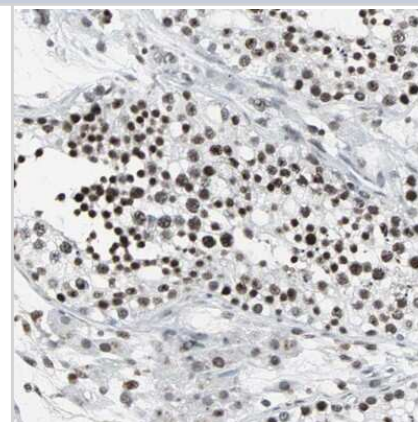
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	11284
Gene Symbol	PNKP
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: PETRTVAVKQLGVNPSTTGTQELKPGLEGLVGDVDTLYLVNGLHPLTLRWEET RTPESQPDTPPGTPLVSQDEKRDAELPKKRMKSNPGWENLEKLLVFTAAGV KPQGVAGFDLDGTLITRSGKVFTGP

Product Application Details	
Applications	Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Simple Western 1:20, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50, Knockdown Validated
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in RT-4 and U-251MG, separated by Size, antibody dilution of 1:20, apparent MW was 61 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

Images

Immunohistochemistry-Paraffin: PNK Antibody [NBP1-87257] - Staining of human testis shows strong nuclear positivity in cells in seminiferus ducts.



Publications

Pradhan S, Gao R, Bush K Et Al. Huntingtin Maintains Mitochondrial Genome Integrity and Function SSRN Electronic Journal 2021-06-26

Tsukada K, Shimada M, Imamura R et al. The FHA domain of PNKP is essential for its recruitment to DNA damage sites and maintenance of genome stability Mutation Research/Fundamental and Molecular Mechanisms of Mutagenesis 2020-11-01 [PMID: 33220551] (WB, Human)

Tsukada K, Matsumoto Y, Shimada M Linker region is required for efficient nuclear localization of polynucleotide kinase phosphatase PLoS ONE 2020-09-24 [PMID: 32970693] (WB, Human)

Kuzmickas R Therapeutic Targeting of Chromatin Modifiers in Advanced Prostate Cancer Thesis (KD, WB, Mouse)

Zagorac I, Fernandez-Gaitero S, Penning R et al. In vivo phosphoproteomics reveals kinase activity profiles that predict treatment outcome in triple-negative breast cancer Nat Commun. 2018-08-28 [PMID: 30158526] (WB, IF/IHC, KO, Human)

Gao R, Chakraborty A, Geater C, et al. Mutant huntingtin impairs PNKP and ATXN3, disrupting DNA repair and transcription Elife 2019-04-17 [PMID: 30994454] (WB, Mouse)

Yip, MCJ;Keszei, AFA;Feng, Q;Chu, V;McKenna, MJ;Shao, S; Mechanism for recycling tRNAs on stalled ribosomes Nat. Struct. Mol. Biol. 2019-04-22 [PMID: 31011209] (WB, Human)

Maertens O, Kuzmickas R, Manchester HE et al. MAPK pathway suppression unmasks latent DNA repair defects and confers a chemical synthetic vulnerability in BRAF, NRAS, and NF1 mutant melanomas Cancer Discov 2019-02-01 [PMID: 30709805] (WB, Human)

Shimada M, Dumitrache LC, Russell HR, McKinnon PJ. Polynucleotide kinase-phosphatase enables neurogenesis via multiple DNA repair pathways to maintain genome stability. EMBO J. 2015-08-19 [PMID: 26290337] (WB, Mouse)





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Products Related to NBP1-87257

NBP1-87257PEP	PNK Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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