

Product Datasheet

Thymidine Kinase 2 Antibody - BSA Free NBP1-92505

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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NBP1-92505

Thymidine Kinase 2 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

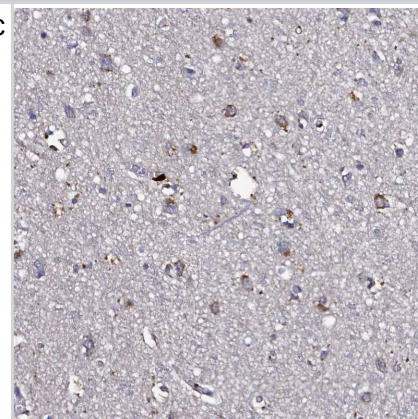
Host	Rabbit
Gene ID	7084
Gene Symbol	TK2
Species	Human
Reactivity Notes	Rat (81%), Mouse (81%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: YVVLSEWFDWILRNMDVSVDLIVYLRTNPETCYQRLKKRCREEEKVIPLEYLEAI HHLHEEWLIKGSFLPMAAPVLVIEADHHMERMLELFEQNRD

Product Application Details

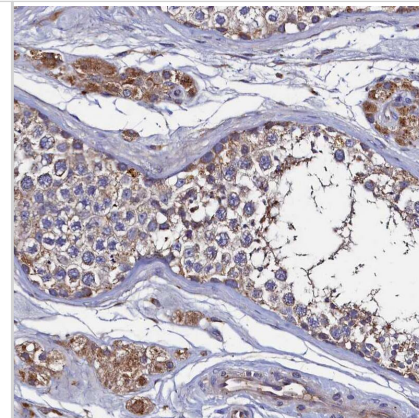
Applications	Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

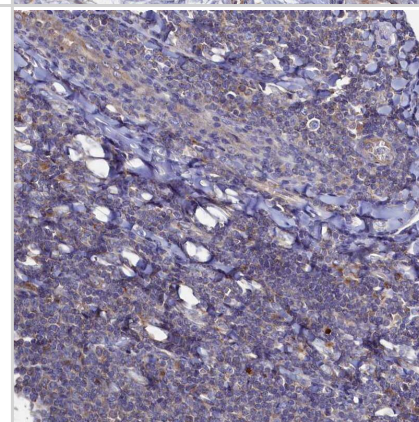
Staining of human Cerebral cortex shows moderate granular cytoplasmic positivity in neuronal cells.



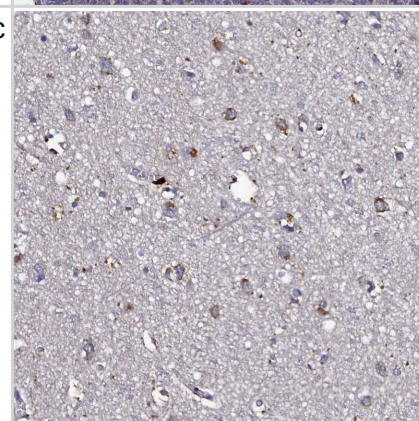
Staining of human Testis shows strong granular cytoplasmic positivity in Leydig cells.



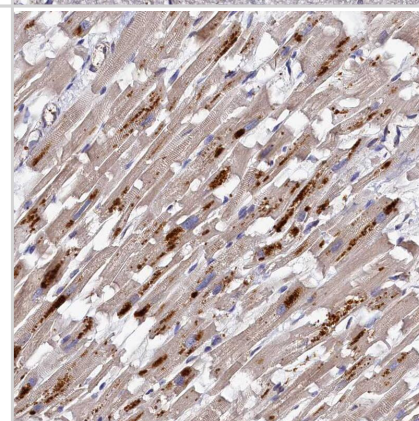
Staining of human Tonsil shows very weak granular cytoplasmic positivity in non-germinal center cells.



Staining of human Cerebral cortex shows moderate granular cytoplasmic positivity in neuronal cells.



Staining of human heart muscle shows moderate granular cytoplasmic positivity in cardiomyocytes.



Publications

Ward A, Kamath V, Hsiung C et al. Compartmentalized thymidine phosphorylation by mitochondrial nucleotide kinases TK2 and CMPK2. The Journal of Biological Chemistry 2025-09-16 [PMID: 40967432]

Di Cresce C, Figueredo R, Rytelowski M et al. siRNA knockdown of mitochondrial thymidine kinase 2 (TK2) sensitizes human tumor cells to gemcitabine. Oncotarget 2015-09-08 [PMID: 26087398] (WB, KD, Human)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA

Phone: 303.730.1950

Toll Free: 1.888.506.6887

Fax: 303.730.1966

nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada

Phone: 905.827.6400

Toll Free: 855.668.8722

Fax: 905.827.6402

canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom

Phone: (44) (0) 1235 529449

Free Phone: 0800 37 34 15

Fax: (44) (0) 1235 533420

info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com

Technical Support: nb-technical@bio-techne.com

Orders: nb-customerservice@bio-techne.com

General: novus@novusbio.com

Products Related to NBP1-92505

NBP1-92505PEP	Thymidine Kinase 2 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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