

Product Datasheet

Transketolase Antibody - BSA Free NBP1-87441

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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NBP1-87441

Transketolase 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

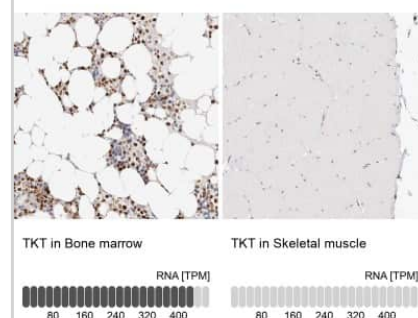
Host	Rabbit
Gene ID	7086
Gene Symbol	TKT
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: IAKTFKGRGITGVEDKESWHGKPLPKNMAEQIIQEIYSQIQSKKKILATPPQEDA PSVDIANIRMPSLPSYKVGDKIATR KAYGQ

Product Application Details

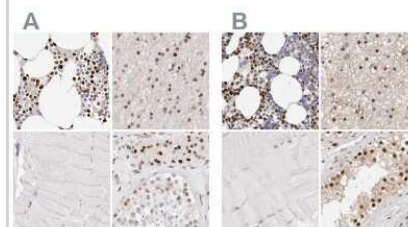
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:2500 - 1:5000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:2500 - 1:5000, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization, Use PFA/Triton X-100. Transketolase antibody validated for WB from a verified customer review.

Images

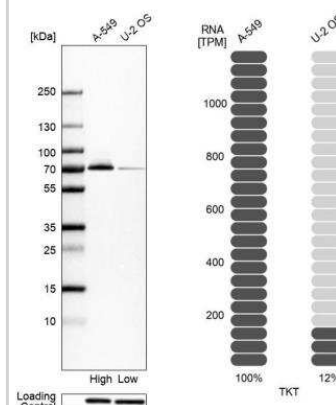
Immunohistochemistry-Paraffin: Transketolase Antibody [NBP1-87441] - Staining in human bone marrow and skeletal muscle tissues using anti-TKT antibody. Corresponding TKT RNA-seq data are presented for the same tissues.



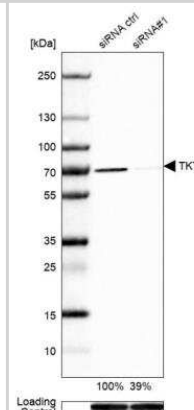
Immunohistochemistry-Paraffin: Transketolase Antibody [NBP1-87441] - Staining of human bone marrow, cerebral cortex, skeletal muscle and testis using Anti-TKT antibody NBP1-87441 (A) shows similar protein distribution across tissues to independent antibody NBP1-87442 (B).



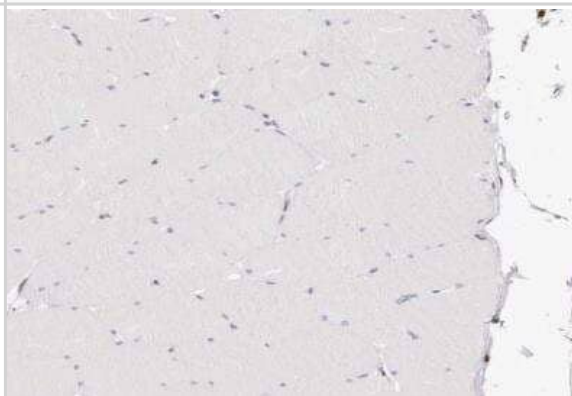
Western Blot: Transketolase Antibody [NBP1-87441] - Western blot analysis in human cell lines A-549 and U2OS. Corresponding RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1.



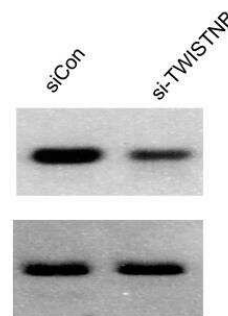
Western Blot: Transketolase Antibody [NBP1-87441] - Analysis in A-549 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-TKT antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



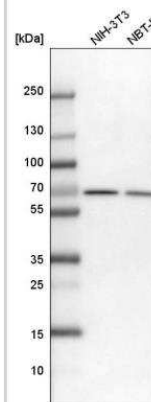
Immunohistochemistry-Paraffin: Transketolase Antibody [NBP1-87441] - Staining of human skeletal muscle shows low expression as expected.



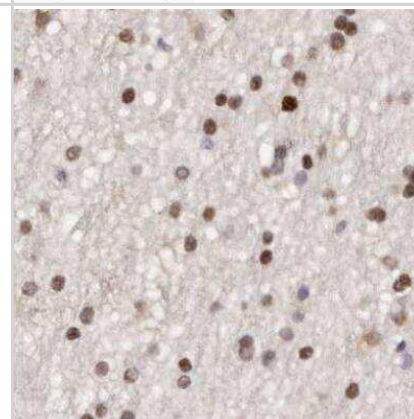
Western Blot: Transketolase Antibody [NBP1-87441] - Analysis of 293T cells lysate after siren treatment with siTWISTNB and siControl Transketolase. Image submitted by a verified customer review.



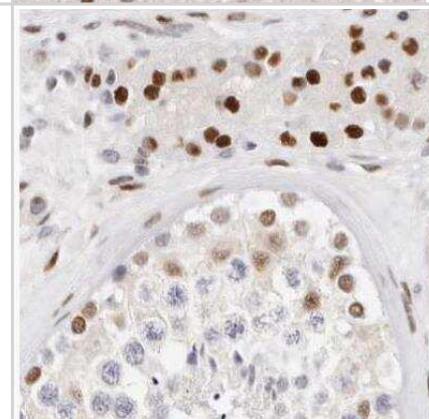
Western Blot: Transketolase Antibody [NBP1-87441] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



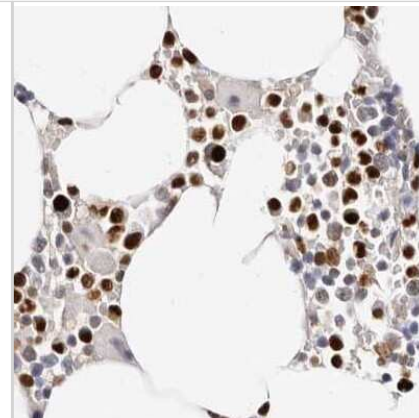
Immunohistochemistry-Paraffin: Transketolase Antibody [NBP1-87441] - Staining of human cerebral cortex using Anti-TKT antibody.



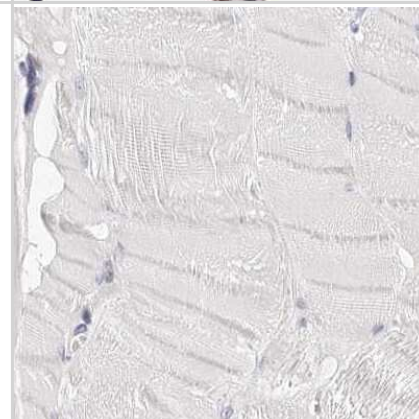
Immunohistochemistry-Paraffin: Transketolase Antibody [NBP1-87441] - Staining of human testis using Anti-TKT antibody.



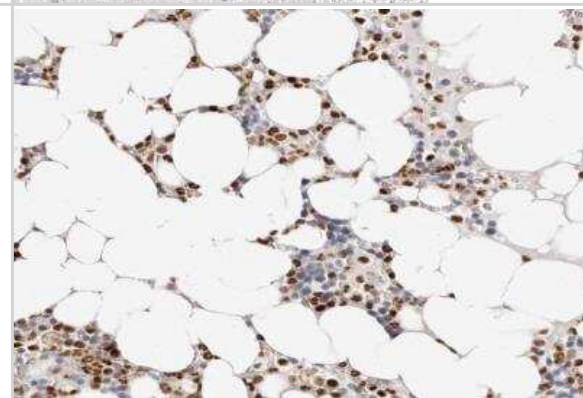
Immunohistochemistry-Paraffin: Transketolase Antibody [NBP1-87441] - Staining of human bone marrow using Anti-TKT antibody NBP1-87441.



Immunohistochemistry-Paraffin: Transketolase Antibody [NBP1-87441] - Staining of human skeletal muscle using Anti-TKT antibody NBP1-87441.



Immunohistochemistry-Paraffin: Transketolase Antibody [NBP1-87441] - Staining of human bone marrow shows high expression.



Publications

Chen Y, Zhang T, Zeng S et al. Transketolase in human Muller cells is critical to resist light stress through the pentose phosphate and NRF2 pathways Redox Biology 2022-08-01 [PMID: 35779441] (WB, IF/IHC, Human)

Scaffa A, Yao H, Oulhen N Et al. Single-cell transcriptomics reveals lasting changes in the lung cellular landscape into adulthood after neonatal hyperoxic exposure Redox biology 2021-08-16 [PMID: 34417156] (IF/IHC, Human)



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Products Related to NBP1-87441

NBP1-87441PEP	Transketolase 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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