

Product Datasheet

TRNT1 Antibody NBP1-86589

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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NBP1-86589

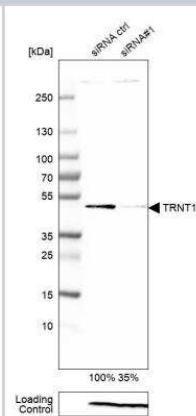
TRNT1 Antibody

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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	50 kDa
Product Description	
Host	Rabbit
Gene ID	51095
Gene Symbol	TRNT1
Species	Human, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LDLRLKIAKEEKNLGLFIVKNRKDLIKATDSSDPLKPYQDFIIDSREPDATTRVCE LLKYQGEHCLLKEMQQWSIPFPVSGHDIR
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200-1:500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

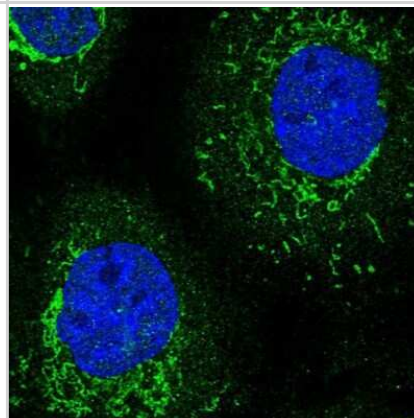


Images

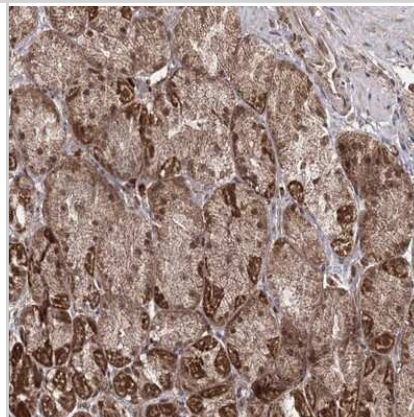
Western Blot: TRNT1 Antibody [NBP1-86589] - Analysis in A-549 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-TRNT1 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



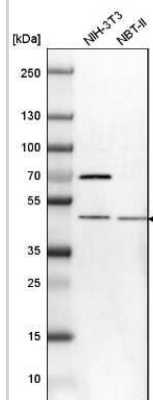
Immunocytochemistry/Immunofluorescence: TRNT1 Antibody [NBP1-86589] - Staining of human cell line A-431 shows positivity in mitochondria. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: TRNT1 Antibody [NBP1-86589] - Staining of human stomach shows moderate cytoplasmic and nuclear positivity in glandular cells.



Western Blot: TRNT1 Antibody [NBP1-86589] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



Publications

Akiyama Y, Lyons SM, Fay MM et al. Selective Cleavage at CCA Ends and Anticodon Loops of tRNAs by Stress-Induced RNases *Frontiers in Molecular Biosciences* 2022-03-01 [PMID: 35300117] (WB)

Seki M, Komuro A, Ishikawa T et al. Genes for tRNA recycling are upregulated in response to infection with Theiler's mouse encephalitis virus *Biochemical and biophysical research communications* 2022-01-08 [PMID: 34864548] (WB, Human)

Shao S ELAC1 Repairs tRNAs Cleaved during Ribosome-Associated Quality Control *Cell Rep* 2020-02-18 [PMID: 32075755] (SDS-Page, Human)

Akiyama Y, Lyons SM, Fay MM et al. Multiple ribonuclease A family members cleave transfer RNAs in response to stress *bioRxiv* 2019-10-21 (KD, WB, Human)

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)

DeLuca AP, Whitmore SS, Barnes J et al. Hypomorphic mutations in TRNT1 cause retinitis pigmentosa with erythrocytic microcytosis. *Hum Mol Genet* 2016-01-01 [PMID: 26494905] (WB)

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. *Nat Methods* 2013-04-01 [PMID: 23435261]





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Products Related to NBP1-86589

NBP1-86589PEP	TRNT1 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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