

Product Datasheet

Triosephosphate isomerase Antibody NBP1-31470

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-31470

Triosephosphate isomerase Antibody

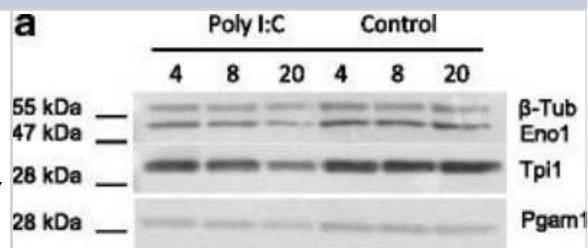
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol, 1% BSA
Target Molecular Weight	31 kDa

Product Description	
Host	Rabbit
Gene ID	7167
Gene Symbol	TPI1
Species	Human, Mouse, Rat
Reactivity Notes	Bovine reactivity reported in scientific literature (PMID: 29892502).
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human Triosephosphate isomerase. The exact sequence is proprietary.

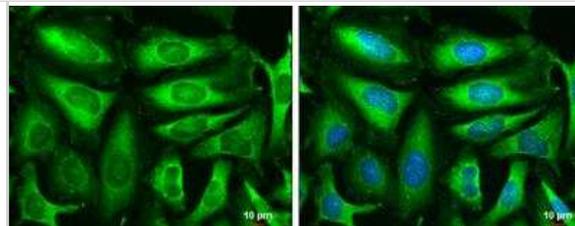
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Flow Cytometry Reported in scientific literature (PMID: 22262862), ELISA Assay dependent, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

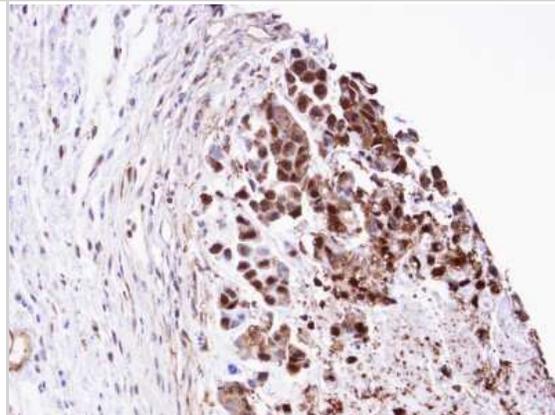
Western Blot: Triosephosphate isomerase Antibody [NBP1-31470] - Immunodetection of glycolytic enzymes within bat and human cells. Immunodetection of Eno1, Tpi1, Pgam1 and beta2-Tub (load control) in Poly I:C transfected and Control PaKiT03 cells at 4, 8 and 20 hpt. Image collected and cropped by CiteAb from the following publication (<https://www.proteomesci.com/content/13/1/25>), licensed under a CC-BY license.



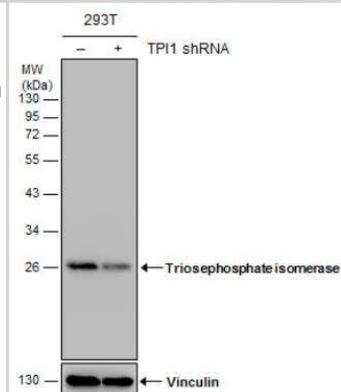
Immunocytochemistry/Immunofluorescence: Triosephosphate isomerase Antibody [NBP1-31470] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Triosephosphate isomerase stained by Triosephosphate isomerase antibody [C2C3], C-term diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar= 10um.



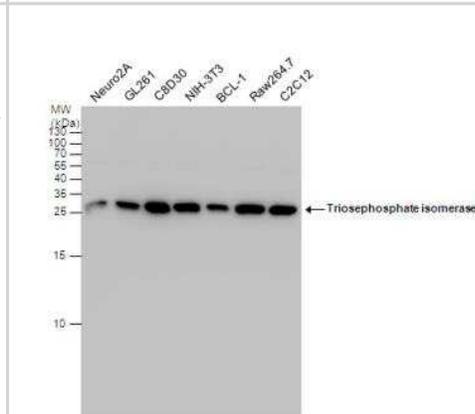
Immunohistochemistry-Paraffin: Triosephosphate isomerase Antibody [NBP1-31470] - Paraffin-embedded SNU-16 xenograft, using antibody at 1:100 dilution.



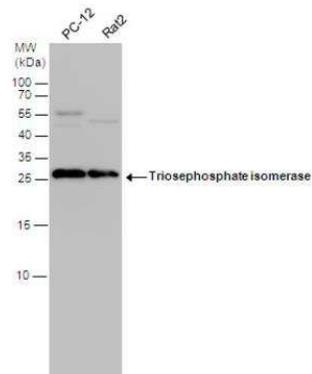
Western Blot: Triosephosphate isomerase Antibody [NBP1-31470] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with Triosephosphate isomerase antibody [C2C3], C-term. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



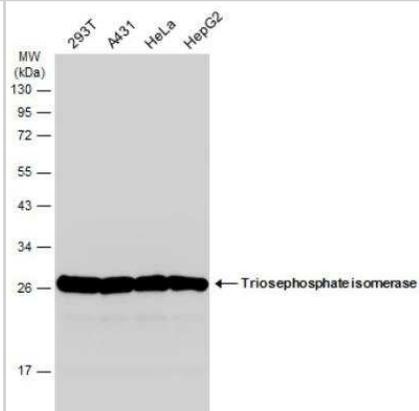
Western Blot: Triosephosphate isomerase Antibody [NBP1-31470] - Various whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with Triosephosphate isomerase antibody diluted by 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



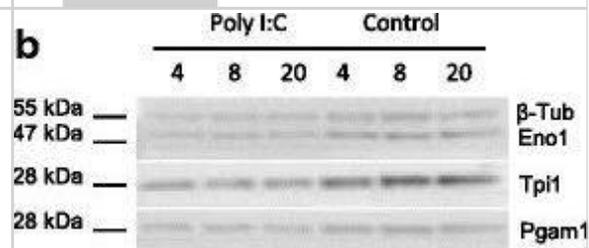
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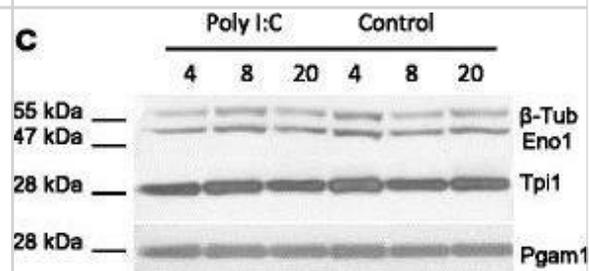
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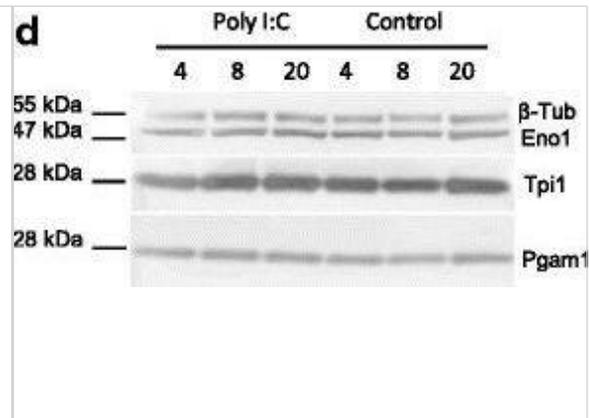
Western Blot: Triosephosphate isomerase Antibody [NBP1-31470] - Immunodetection of glycolytic enzymes within bat & human cells. a-d Immunodetection of Eno1, Tpi1, Pgam1 & β 2-Tub (load control) in Poly I:C transfected & Control cells at 4, 8 & 20 hpt (a: PaKiT03, b: PaLuT02, c: HEK293T, d: HeLa). e-h Densitometry analysis following immunodetection of Eno1, Tpi1, Pgam1. Average ratios were calculated as Poly I:C/Control normalised to β -Tub. Error bars represent the standard error of the mean from two technical replicates (e: PaKiT03, f: PaLuT02, g: HEK293T, h: HeLa) Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/26535029>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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Publications

Mok L, Wynne JW, Ford K et al. Proteomic analysis of Pteropus alecto kidney cells in response to the viral mimic, Poly I:C *Proteome Science* 2015-12-01 [PMID: 26535029]

Duan Y, Li J, Wang F et al. Protein modifications throughout the lung cancer proteome unravel the cancer-specific regulation of glycolysis *Cell reports* 2021-12-21 [PMID: 34936872]

Mok L, Wynne JW, Ford K et al. Proteomic analysis of Pteropus alecto kidney cells in response to the viral mimic, Poly I:C *Proteome Sci* 2015 Nov 2 [PMID: 26535029] (WB, Bt)

Details:

Pteropus alecto (Black fruit bat)

Gagaoua M, Bonnet M, Picard B Protein Array-Based Approach to Evaluate Biomarkers of Beef Tenderness and Marbling in Cows: Understanding of the Underlying Mechanisms and Prediction Foods (Basel, Switzerland) 2020-08-26 [PMID: 32858893] (Bovine)

Bonnet M, Soulat J, Bons J et al. Quantification of biomarkers for beef meat qualities using a combination of Parallel Reaction Monitoring- and antibody-based proteomics *Food Chem* 2020-02-10 [PMID: 32078991] (WB, Bovine)

Picard B, Gagaoua M, Al Jammam M, Bonnet M et al. Beef tenderness and intramuscular fat proteomic biomarkers: Effect of gender and rearing practices. *J Proteomics*. 2019-03-17 [PMID: 30894324] (WB, Bovine)

Gagaoua M, Bonnet M, Ellies-Oury MP et al. Reverse phase protein arrays for the identification/validation of biomarkers of beef texture and their use for early classification of carcasses. *Food Chem* 2018-01-10 [PMID: 29412918]

Gagaoua M, Bonnet M, De Koning L et al. Reverse Phase Protein array for the quantification and validation of protein biomarkers of beef qualities: The case of meat color from Charolais breed. *Meat Sci* 2018-07-05 [PMID: 30015160] (Bovine)

Picard B, Gagaoua M, Al-Jammam M et al. Beef tenderness and intramuscular fat proteomic biomarkers: muscle type effect. *PeerJ* 2018-06-07 [PMID: 29892502] (Bovine)

Mok L, Wynne JW, Ford K et al. Proteomic analysis of Pteropus alecto kidney cells in response to the viral mimic, Poly I:C. *Proteome Sci* 2015 Nov 2 [PMID: 26535029] (WB, Bt)

Details:

Pteropus alecto (Black fruit bat)

Ucker DS, Jain MR, Pattabiraman G et al. Externalized glycolytic enzymes are novel, conserved, and early biomarkers of apoptosis. *The Journal of Biological Chemistry*. 2012-01-18 [PMID: 22262862]



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Products Related to NBP1-31470

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-53086-20ug	Recombinant Human Triosephosphate isomerase His Protein

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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