

Product Datasheet

ERp57/PDIA3 Antibody - BSA Free NBP1-84797

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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Publications: 2

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NBP1-84797

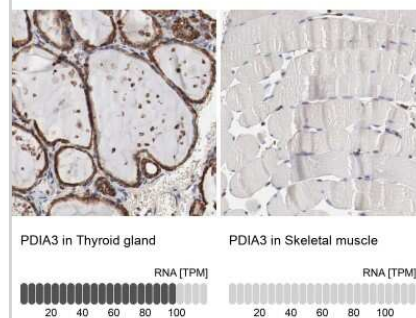
ERp57/PDIA3 Antibody - BSA Free

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
Target Molecular Weight	57 kDa
Product Description	
Description	Novus Biologicals Rabbit ERp57/PDIA3 Antibody - BSA Free (NBP1-84797) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-ERp57/PDIA3 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2923
Gene Symbol	PDIA3
Species	Human
Marker	Endoplasmic Reticulum Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: HMTEDNKDLIQGKDLLIAYDYVDYEKNAKGSNYWRNRVMMVAKKFLDAGHKL NFAVASRKTFSELSDFGLESTAGEIPVVAIRTAKGEKFVMQEEFSRDGKALER FLQDYFDGNLKRKRYLKSEPIPESNDGP
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

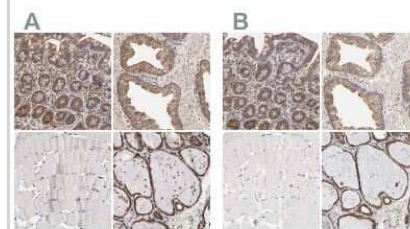


Images

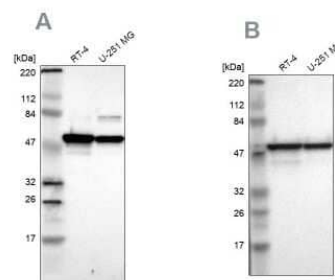
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84797] - Analysis in human thyroid gland and skeletal muscle tissues using NBP1-84797 antibody. Corresponding PDIA3 RNA-seq data are presented for the same tissues.



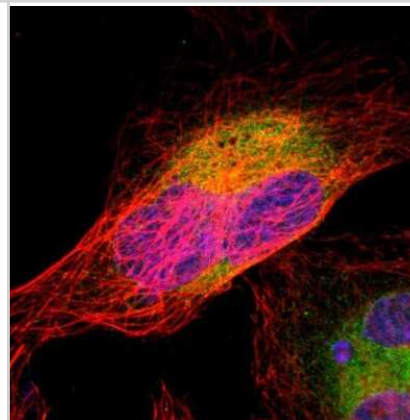
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84797] - Staining of human gastrointestinal, prostate, skeletal muscle and thyroid gland using Anti-PDIA3 antibody NBP1-84797 (A) shows similar protein distribution across tissues to independent antibody NBP1-84796 (B).



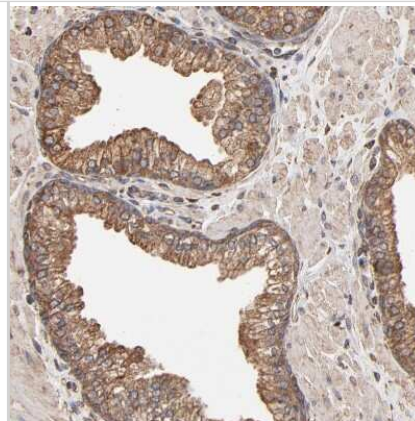
Western Blot: ERp57/PDIA3 Antibody [NBP1-84797] - Analysis using Anti-PDIA3 antibody NBP1-84797 (A) shows similar pattern to independent antibody NBP1-84796 (B).



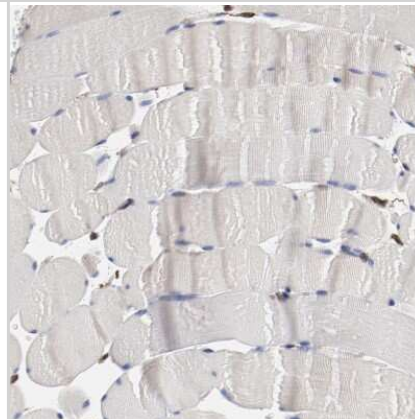
Immunocytochemistry/Immunofluorescence: ERp57/PDIA3 Antibody [NBP1-84797] - Immunofluorescent staining of human cell line U-2 OS shows localization to endoplasmic reticulum.



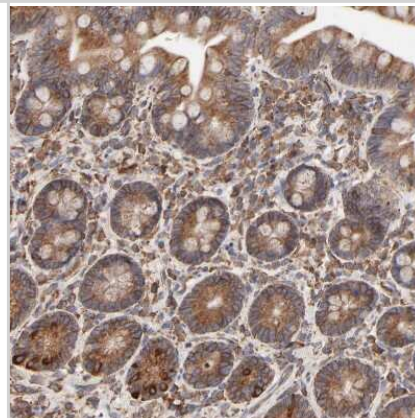
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84797] - Staining of human prostate shows moderate cytoplasmic positivity in glandular cells.



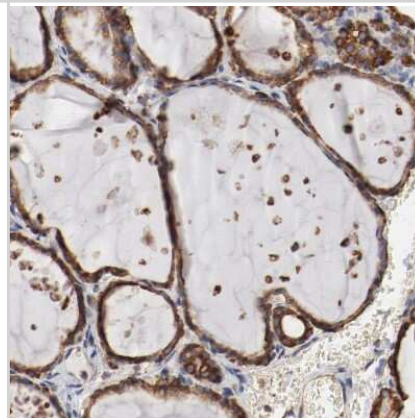
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84797] - Staining of human skeletal muscle shows no cytoplasmic positivity in myocytes as expected.



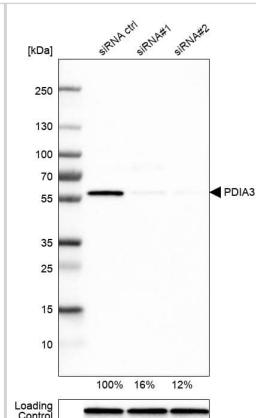
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84797] - Staining of human small intestine shows moderate to strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84797] - Staining of human thyroid gland shows strong cytoplasmic positivity in glandular cells.



Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-PDIA3 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



Publications

Bechor E, Dahan I, Fradin T et al. The dehydrogenase region of the NADPH oxidase component Nox2 acts as a protein disulfide isomerase (PDI) resembling PDIA3 with a role in the binding of the activator protein p67phox. *Front Chem* 2015-01-01 [PMID: 25699251]

Kashyap MK, Harsha HC, Renuse S et al. SILAC-based quantitative proteomic approach to identify potential biomarkers from the esophageal squamous cell carcinoma secretome. *Cancer Biol Ther* 2010-10-01 [PMID: 20686364]



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Products Related to NBP1-84797

NBP1-84797PEP	ERp57/PDIA3 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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