Product Datasheet

ERp57/PDIA3 Antibody - BSA Free

NBP1-84797-25ul

Unit Size: 25ul

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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Updated 2/21/2025 v.20.1

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ERp57/PDIA3 Antibody - BSA Free

Product Information

Unit Size	25ul
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	57 kDa

Product Description

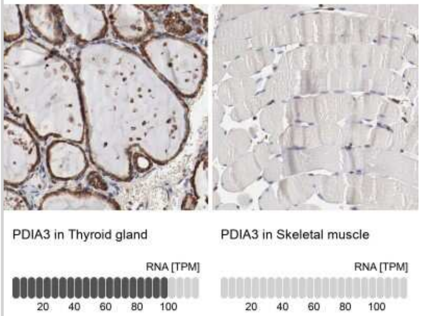
Host	Rabbit
Gene ID	2923
Gene Symbol	PDIA3
Species	Human
Marker	Endoplasmic Reticulum Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: HMTEDNKDLIQGKDLLIAYYDVDYEKNAKGSNYWRNRVMMVAKKFLDAGHKL NFAVASRKTFSHELSDFGLESTAGEIPVVAIRTAKGEKFVMQEEFSRDGKALER FLQDYFDGNLKRYLKSEPIPESNDGP

Product Application Details

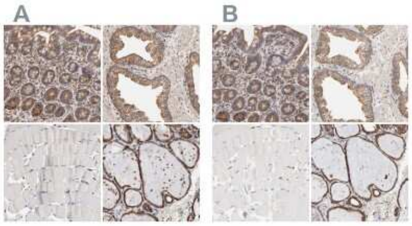
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 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

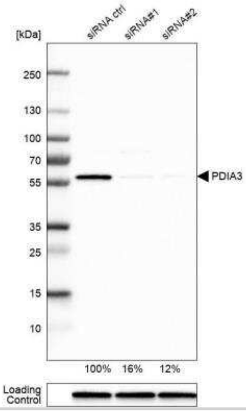
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84797] - Analysis in human thyroid gland and skeletal muscle tissues using NBP1-84797 antibody. Corresponding PDIA3 RNA-seq data are presented for the same tissues.



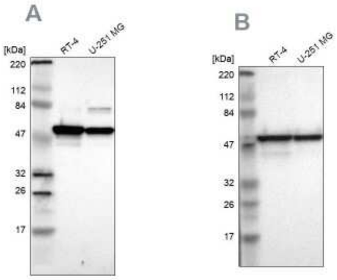
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84797] - Staining of human gastrointestinal, prostate, skeletal muscle and thyroid gland using Anti-PDIA3 antibody NBP1-84797 (A) shows similar protein distribution across tissues to independent antibody NBP1-84796 (B).



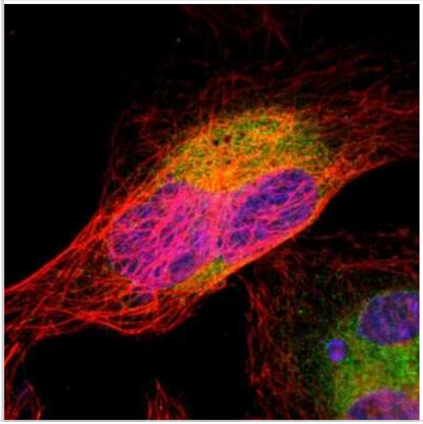
Western Blot: ERp57/PDIA3 Antibody [NBP1-84797] - Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2. Remaining relative intensity is presented. Loading control: Anti-GAPDH.

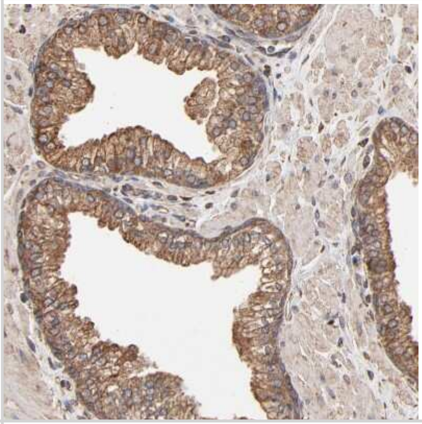
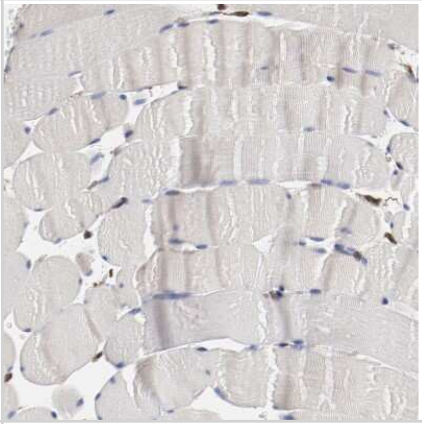
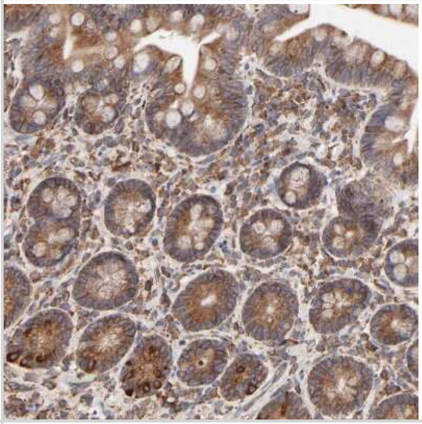
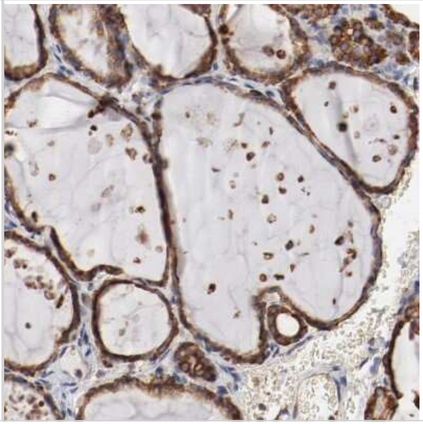


Western Blot: ERp57/PDIA3 Antibody [NBP1-84797] - Analysis using Anti-PDIA3 antibody NBP1-84797 (A) shows similar pattern to independent antibody NBP1-84796 (B).



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.	

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]

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

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