

Product Datasheet

ERp57/PDIA3 Antibody - BSA Free NBP1-84796

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: 4

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NBP1-84796

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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

Description	Novus Biologicals Rabbit ERp57/PDIA3 Antibody - BSA Free (NBP1-84796) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-ERp57/PDIA3 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2923
Gene Symbol	PDIA3
Species	Human, Mouse, Rat
Marker	Endoplasmic Reticulum Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: PTLKIFRDGEEAGAYDGPRTADGIVSHLKKQAGPASVPLRTEEEFKKFISDKDA SIVGFFDDSFSEAHSEFLKAASNLRDNYRFAHTNVESLVNEYDDNGEGIILFRPS HLTNKFEDK

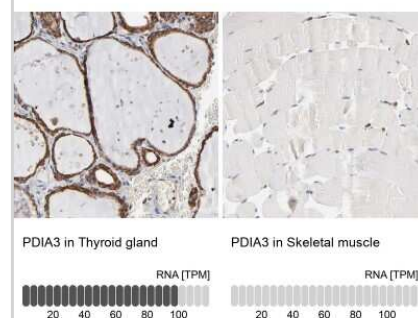
Product Application Details

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.

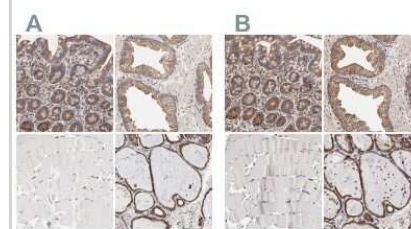


Images

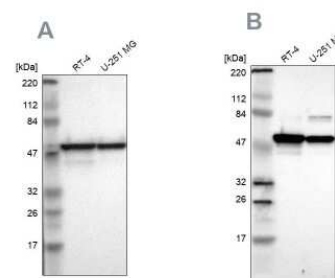
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84796] - Staining in human thyroid gland and skeletal muscle tissues using NBP1-84796 antibody. Corresponding PDIA3 RNA-seq data are presented for the same tissues.



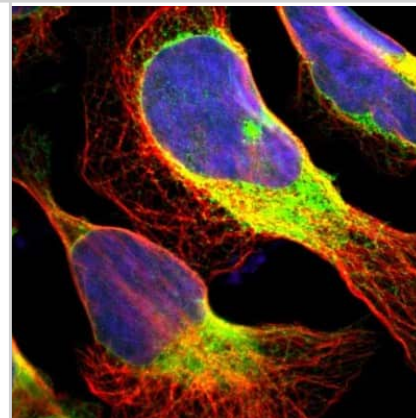
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84796] - Staining of human gastrointestinal, prostate, skeletal muscle and thyroid gland using Anti-PDIA3 antibody NBP1-84796 (A) shows similar protein distribution across tissues to independent antibody NBP1-84797 (B).



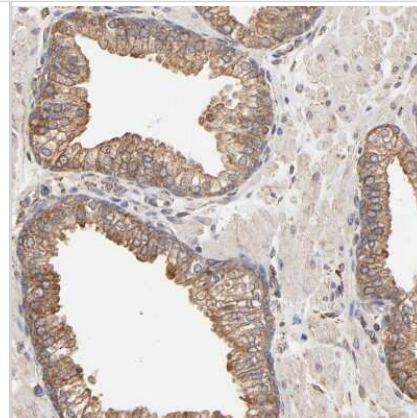
Western Blot: ERp57/PDIA3 Antibody [NBP1-84796] - Analysis using Anti-PDIA3 antibody NBP1-84796 (A) shows similar pattern to independent antibody NBP1-84797 (B).



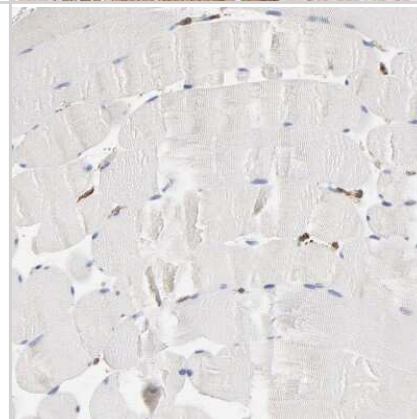
Immunocytochemistry/Immunofluorescence: ERp57/PDIA3 Antibody [NBP1-84796] - Staining of human cell line U-2 OS shows localization to endoplasmic reticulum. Antibody staining is shown in green.



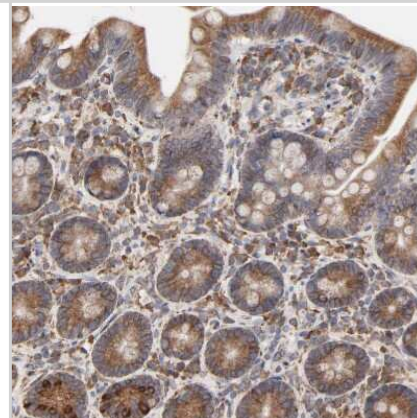
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84796] - Staining of human prostate shows moderate cytoplasmic positivity in glandular cells.



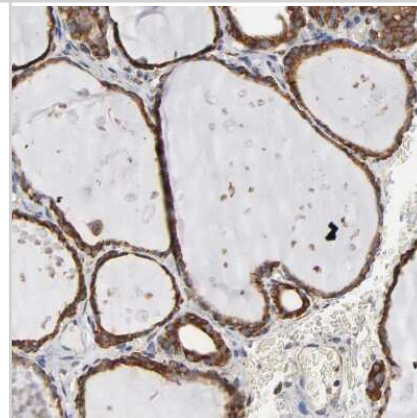
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84796] - Staining of human skeletal muscle shows no cytoplasmic positivity in myocytes as expected.



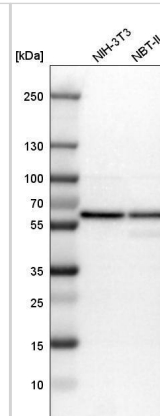
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84796] - Staining of human small intestine shows moderate to strong cytoplasmic positivity in glandular cells.



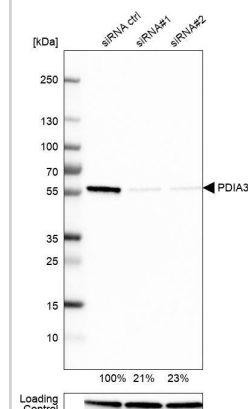
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody [NBP1-84796] - Staining of human thyroid gland shows strong cytoplasmic positivity in glandular cells.



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



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] (WB, Human)

Feng H, Li X, Chan V, Chen WN. Proteomics Based Identification of Cell Migration Related Proteins in HBV Expressing HepG2 Cells. *PLoS One* 2014-01-01 [PMID: 24763314] (WB)

Logan CV, Szabadkai G, Sharpe JA et al. Loss-of-function mutations in MICU1 cause a brain and muscle disorder linked to primary alterations in mitochondrial calcium signaling. *Nat Genet* 2014-02-01 [PMID: 24336167]

Racape M, Duong Van Huyen JP, Danger R et al. The involvement of SMILE/TMTC3 in endoplasmic reticulum stress response. *PLoS One* 2011-01-01 [PMID: 21603654]



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Products Related to NBP1-84796

NBP1-84796PEP	ERp57/PDIA3 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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