

# Product Datasheet

## ERp57/PDIA3 Antibody (CL2444) - BSA Free NBP2-36765

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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**NBP2-36765**

ERp57/PDIA3 Antibody (CL2444) - 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	Monoclonal
Clone	CL2444
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

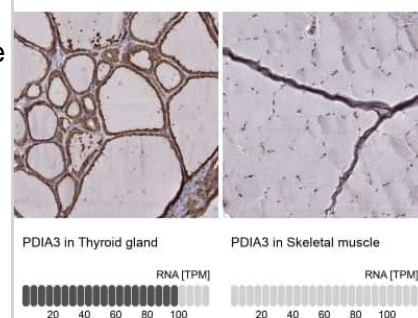
Product Description	
Description	Novus Biologicals Mouse ERp57/PDIA3 Antibody (CL2444) - BSA Free (NBP2-36765) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-ERp57/PDIA3 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2923
Gene Symbol	PDIA3
Species	Human
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions
Immunogen	This antibody was developed using a recombinant protein derived from G5EA52, with the exact immunogen sequence remaining proprietary.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:20000 - 1:50000, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:20000 - 1:50000, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

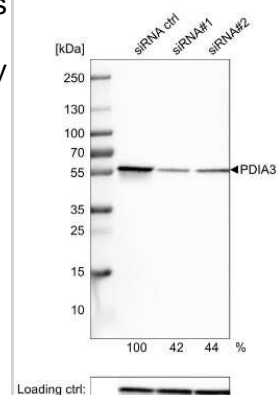


## Images

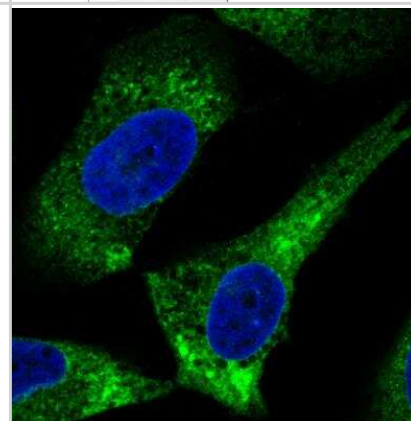
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody (CL2444) [NBP2-36765] - Staining in human thyroid gland and skeletal muscle tissues. Corresponding PDIA3 RNA-seq data are presented for the same tissues.



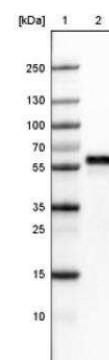
Western Blot: ERp57/PDIA3 Antibody (CL2444) [NBP2-36765] - Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-PDIA3 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



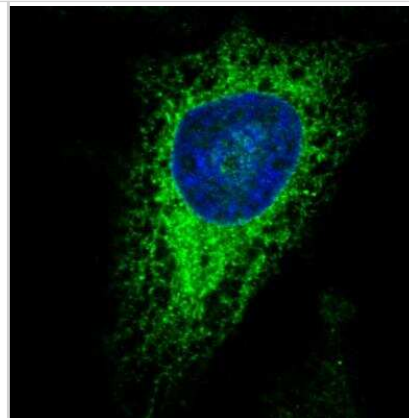
Immunocytochemistry/Immunofluorescence: ERp57/PDIA3 Antibody (CL2444) [NBP2-36765] - Staining in U251 cell line showing specific staining of endoplasmic reticulum in green. Microtubule-staining and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green.



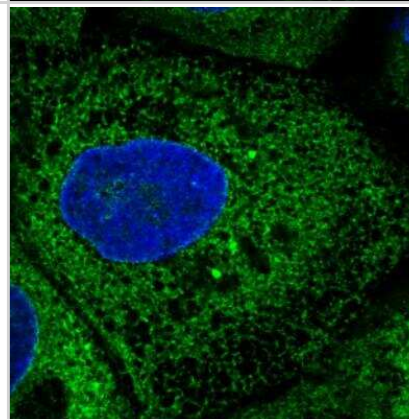
Western Blot: ERp57/PDIA3 Antibody (CL2444) [NBP2-36765] - Lane 1: Marker [kDa]. Lane 2: Human cell line U-251 MG



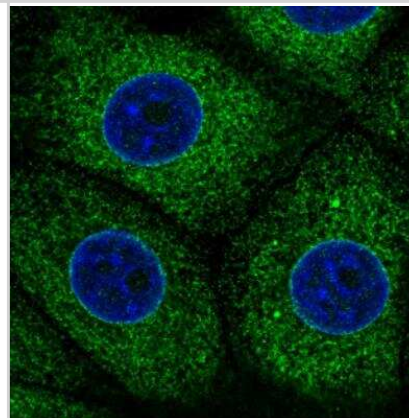
Immunocytochemistry/Immunofluorescence: ERp57/PDIA3 Antibody (CL2444) [NBP2-36765] - Staining in HeLa cell line showing specific staining of endoplasmic reticulum in green. Microtubule-staining and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green.



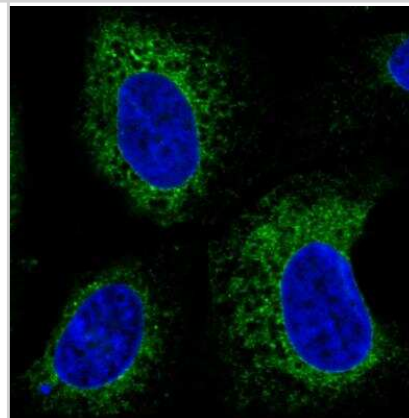
Immunocytochemistry/Immunofluorescence: ERp57/PDIA3 Antibody (CL2444) [NBP2-36765] - Staining of human cell line A431 showing specific staining of endoplasmic reticulum in green. Microtubule-staining and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green.



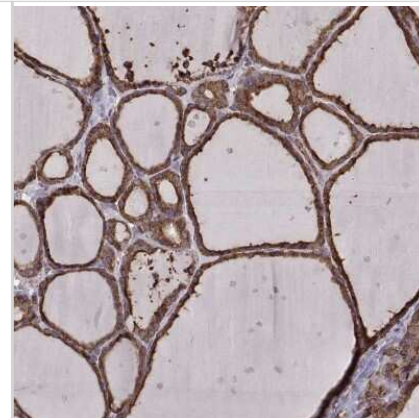
Immunocytochemistry/Immunofluorescence: ERp57/PDIA3 Antibody (CL2444) [NBP2-36765] - Staining in MCF7 cell line showing specific staining of endoplasmic reticulum in green. Microtubule-staining and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green.



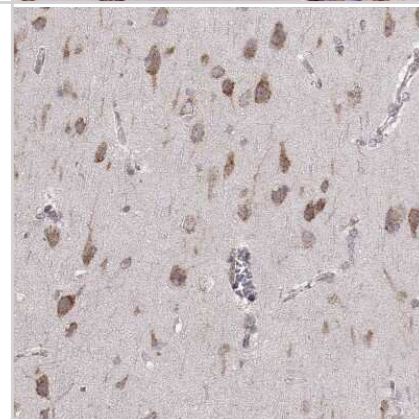
Immunocytochemistry/Immunofluorescence: ERp57/PDIA3 Antibody (CL2444) [NBP2-36765] - Staining in U2OS cell line with Anti-PDIA3 monoclonal antibody, showing specific staining of endoplasmic reticulum in green. Microtubule-staining and nuclear probes are visualized in red and blue respectively (where available). Antibody staining is shown in green.



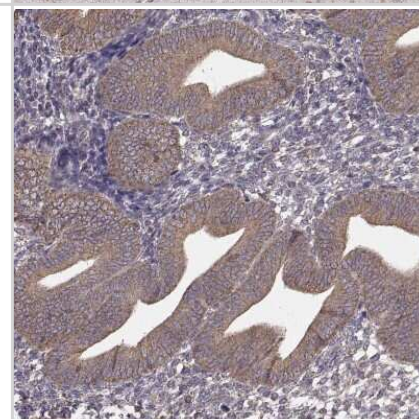
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody (CL2444) [NBP2-36765] - Staining of human thyroid gland shows moderate to strong cytoplasmic positivity in glandular cells.



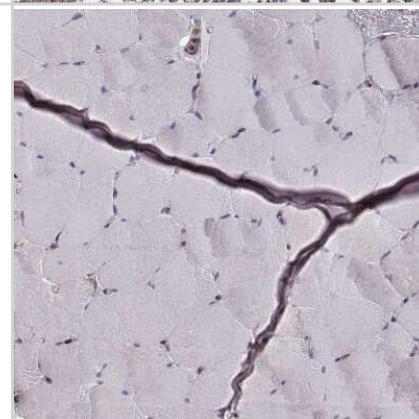
Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody (CL2444) [NBP2-36765] - Staining of human cerebral cortex shows moderate cytoplasmic positivity in neurons.



Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody (CL2444) [NBP2-36765] - Staining of human endometrium shows moderate cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: ERp57/PDIA3 Antibody (CL2444) [NBP2-36765] - Staining of human skeletal muscle shows no positivity in striated muscle fibers as expected.



## Publications

Dursun E. , Gezen-Ak D. Vitamin D receptor is present on the neuronal plasma membrane and is co-localized with amyloid precursor protein, ADAM10 or Nicastrin. PLoS One 2017-11-28 [PMID: 29176823] (ICC/IF, Human)





### **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

### **Products Related to NBP2-36765**

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NBP2-36765PEP	ERp57/PDIA3 Recombinant Protein Antigen
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### **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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