

# Product Datasheet

## ERp57/PDIA3 Antibody (CL2444) - Azide and BSA Free NBP3-44467

Unit Size: 100 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-44467**

ERp57/PDIA3 Antibody (CL2444) - Azide and BSA Free

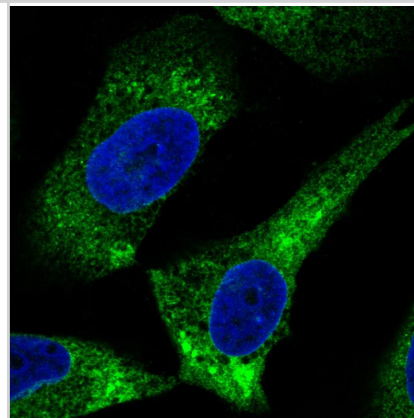
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL2444
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG1
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

Product Description	
Description	Novus Biologicals Mouse ERp57/PDIA3 Antibody (CL2444) - Azide and BSA Free (NBP2-36765) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2923
Gene Symbol	PDIA3
Species	Human
Immunogen	This antibody was generated using a recombinant protein sequence of G5EA52, with the exact immunogen sequence remaining proprietary.

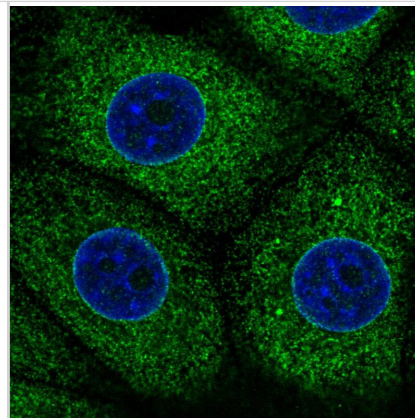
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:20000 - 1:50000
Application Notes	For IHC-Paraffin,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

**Images**

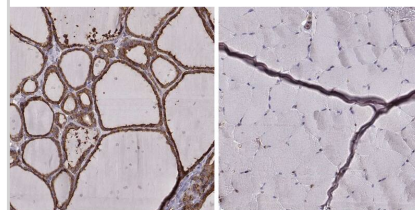
Staining in U251 cell line with Anti-ERp57/PDIA3 monoclonal antibody) .



Staining in MCF7 cell line with Anti-ERp57/PDIA3 monoclonal antibody) .

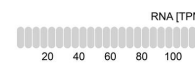
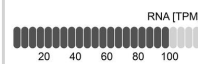


Analysis in human thyroid gland and skeletal muscle tissues using NBP3-44467 antibody. Corresponding ERp57/PDIA3 RNA-seq data are presented for the same tissues.

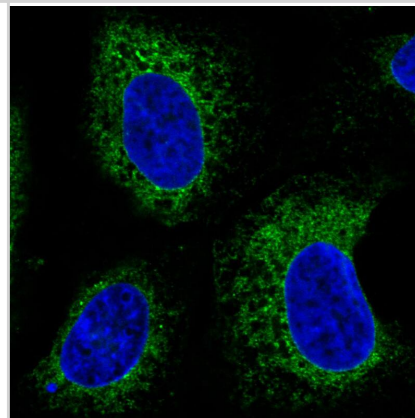


PDIA3 in Thyroid gland

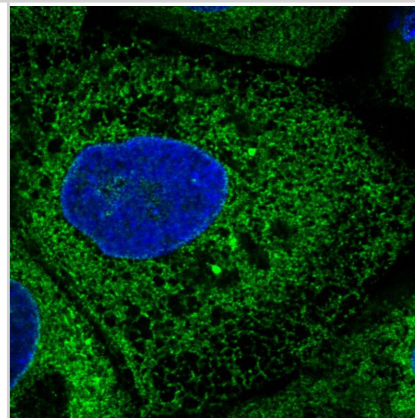
PDIA3 in Skeletal muscle



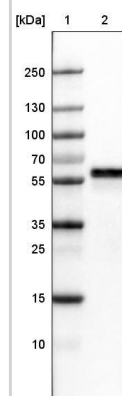
Staining in U2OS cell line with Anti-ERp57/PDIA3 monoclonal antibody) .



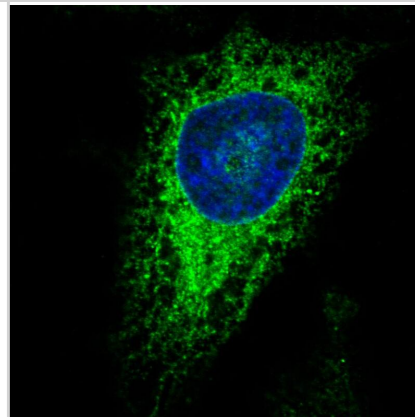
Staining in A431 cell line with Anti-ERp57/PDIA3 monoclonal antibody) .



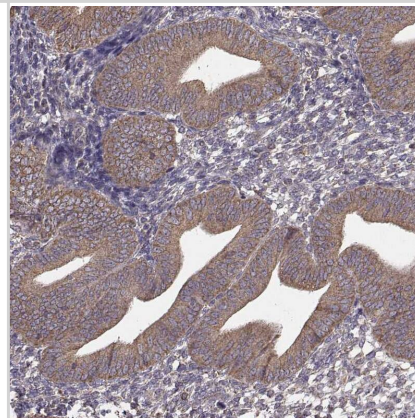
Lane 1: Marker [kDa]  
Lane 2: Human cell line U-251 MG



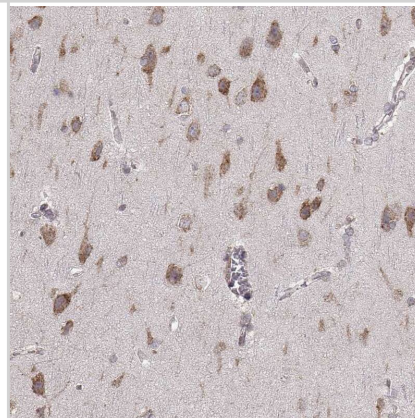
Staining in HeLa cell line with Anti-ERp57/PDIA3 monoclonal antibody) .



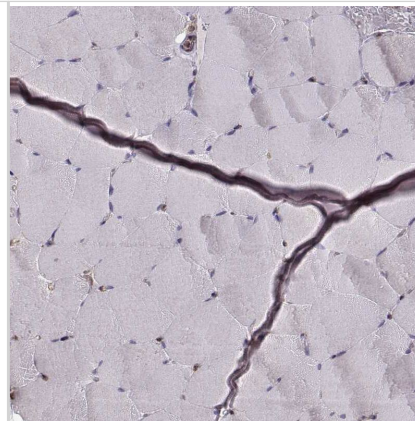
Staining of human endometrium shows moderate cytoplasmic positivity in glandular cells.



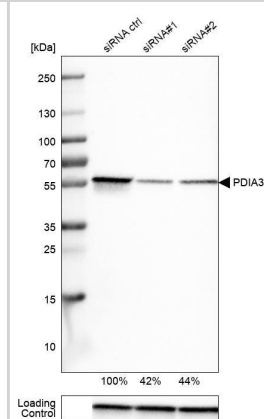
Staining of human cerebral cortex shows moderate cytoplasmic positivity in neurons.



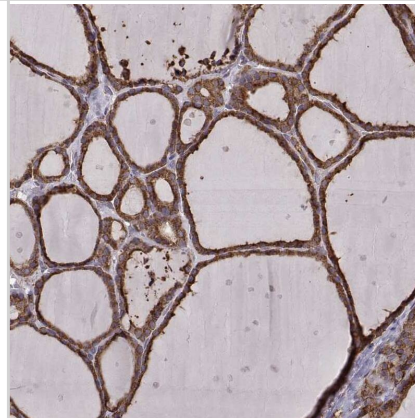
Staining of human skeletal muscle shows no positivity in striated muscle fibers as expected.



Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-ERp57/PDIA3 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



Staining of human thyroid gland shows moderate to strong cytoplasmic positivity in glandular cells.





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### **Products Related to NBP3-44467**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
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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