

# Product Datasheet

## ERp57/PDIA3 Antibody (4F9) - BSA Free NBP2-59695-25ug

Unit Size: 25 ug

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

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**NBP2-59695-25ug**

ERp57/PDIA3 Antibody (4F9) - BSA Free

Product Information	
Unit Size	25 ug
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4F9
Preservative	0.09% Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Target Molecular Weight	57 kDa

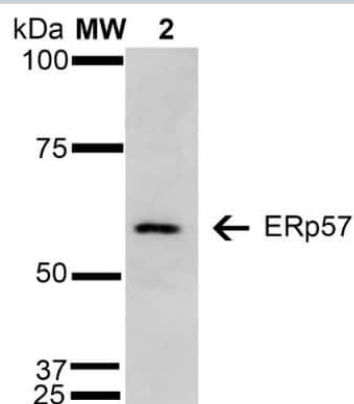
Product Description	
Host	Mouse
Gene ID	2923
Gene Symbol	PDIA3
Species	Human
Specificity/Sensitivity	Detects approx 110kDa.
Immunogen	Human recombinant ERp57 (Grp58) protein corresponding to amino acids 25 - 505 (his-tagged)

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:100
Application Notes	A 1:1000 dilution of this antibody was sufficient for detection of ERp57 in 15 ug of HeLa by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary Antibody.

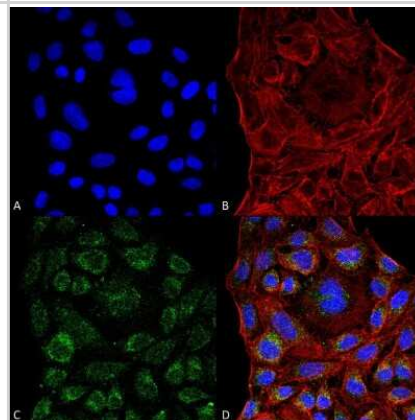


## Images

Western Blot: ERp57/PDIA3 Antibody (4F9) [NBP2-59695] - Analysis of Human Cervical Cancer cell line (HeLa) showing detection of 57 kDa Erp57 protein using Mouse Anti-Erp57 Monoclonal Antibody, Clone 4F9 . Lane 1: Molecular Weight Ladder (MW). Lane 2: HeLa cell lysate. Load: 15 ug. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-Erp57 Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:1000 for 60 min at RT. Color Development: ECL solution for 5 min in RT. Predicted/Observed Size: 57 kDa.



Immunocytochemistry/Immunofluorescence: ERp57/PDIA3 Antibody (4F9) [NBP2-59695] - Analysis using Mouse Anti-ERp57 Monoclonal Antibody, Clone 4F9 . Tissue: HeLa Cells (Human Cervical Cancer). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-ERp57 Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Endoplasmic reticulum, Melanosome. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) ERp57 Antibody (D) Composite.



## Publications

Dixit B, Vanhoozer S, Anti N et al. Rapid enrichment of mitochondria from mammalian cell cultures using digitonin MethodsX 2021-08-26 [PMID: 34434723]



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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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