

## Product Datasheet

### ERp57 Antibody (RPE) (orb396332)

<b>Catalog Number</b>	orb396332
<b>Category</b>	Antibodies
<b>Description</b>	Mouse monoclonal antibody against ERp57 conjugated to RPE .
<b>Target</b>	ERp57
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Conjugation</b>	RPE
<b>Reactivity</b>	Human
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	95.46mM Phosphate, 2.48mM MES and 2mM EDTA
<b>Purification</b>	Protein G Purified
<b>Immunogen</b>	Human recombinant ERp57 (Grp58) protein corresponding to amino acids 25 - 505 (his-tagged)
<b>UniProt ID</b>	<b>P30101</b>
<b>MW</b>	57 kDa
<b>Tested applications</b>	ICC, IF, WB
<b>Dilution range</b>	WB (1:1000); ICC/IF (1:100)

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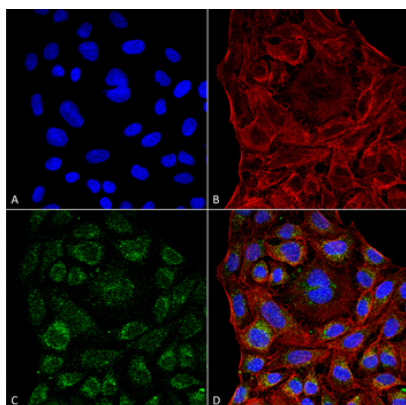
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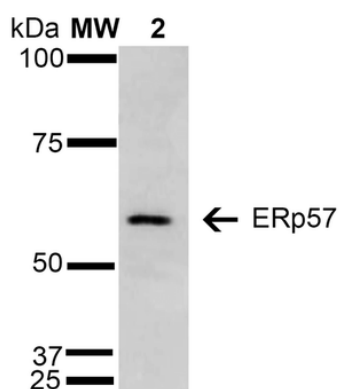
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<b>Application notes</b>	A 1:1000 dilution was sufficient for detection of ERp57 in 15 µg of HeLa by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary Antibody.
<b>Specificity</b>	Detects ~57 kDa protein.
<b>Clone Number</b>	4F9
<b>Storage</b>	Conjugated antibodies should be stored according to the product label
<b>Note</b>	For research use only
<b>Entrez</b>	<b>2923</b>
<b>NCBI</b>	<b>NP_005304.3</b>
<b>Expiration Date</b>	12 months from date of receipt.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-ERp57 Monoclonal Antibody, Clone 4F9. Tissue: Cervical cancer cell line (HeLa). 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.



Western Blot analysis of Human Cervical cancer cell line (HeLa) lysate 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 µg. 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.

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