

**EndoPDI Antibody**  
**EndoPDI Antibody, Clone 2E7/7**  
**Catalog # ASM10151****Specification**

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**EndoPDI Antibody - Product Information**

Application	WB, IHC, ICC, IP, E
Primary Accession	<a href="#">Q8NBS9</a>
Other Accession	<a href="#">NP_001139021</a>
Host	Mouse
Isotype	IgG2a
Reactivity	Human
Clonality	Monoclonal

**Description**

Mouse Anti-Human EndoPDI Monoclonal IgG2a

**Target/Specificity**

Detects ~48kDa.

**Other Names**

Thioredoxin domain containing 5; ERP46; UNQ364; MGC3178; FLJ21353; FLJ90810; thioredoxin related protein; endothelial protein disulphide isomeras Antibody

**Immunogen**

Synthesized peptide - 12 amino acids long (ADGEDGQDPHSK) corresponding to residues 52 - 63 of the EndoPDI protein

**Purification**

Protein G Purified

Storage **-20°C**

**Storage Buffer**

PBS pH7.4, 50% glycerol, 0.09% sodium azide

Shipping Temperature **Blue Ice or 4°C**

**Certificate of Analysis**

1 µg/ml of SMC-204 was sufficient for detection of EndoPDI in 20 µg of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Goat anti -mouse IgG:HRP as the secondary antibody.

**Cellular Localization**

Endoplasmic Reticulum | Endoplasmic Reticulum Lumen

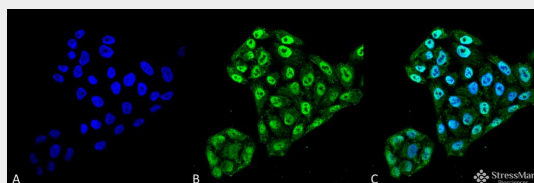
**EndoPDI Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### EndoPDI Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-EndoPDI Monoclonal Antibody, Clone 2E7/7 (ASM10151). Tissue: Cervical Cancer cell line (HeLa). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-EndoPDI Monoclonal Antibody (ASM10151) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: DAPI (blue) nuclear stain at 1:5000 for 5 min RT. Localization: Nucleus, Endoplasmic Reticulum, Endoplasmic Reticulum Lumen. Magnification: 60X.

### EndoPDI Antibody - Background

Endothelial protein disulfide isomerase (EndoPDI) is a thioredoxin member of the protein disulfide isomerase family of chaperones. This enzyme has been localized to the endoplasmic reticulum in primary endothelial cells, but colocalizes with nucleoli in the nuclei of breast, colon, and renal cancer cells. EndoPDI mRNA and protein expression is induced by hypoxia and exhibits a protective effect on endothelial cells during hypoxia (1).

### EndoPDI Antibody - References

1. Sullivan D.C., et al. (2003) J Biol Chem. 278 (47) 47079-47088.