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ERP27 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17528b

Specification

ERP27 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q96DN0
Other Accession	NP_689534.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**30480**
Antigen Region	**246-272**

ERP27 Antibody (C-term) - Additional Information

Gene ID 121506

Other Names
Endoplasmic reticulum resident protein 27, ER protein 27, ERp27, ERP27, C12orf46

Target/Specificity
This ERP27 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 246-272 amino acids from the C-terminal region of human ERP27.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ERP27 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ERP27 Antibody (C-term) - Protein Information

Name ERP27

Synonyms C12orf46

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Function Specifically binds unfolded proteins and may recruit protein disulfide isomerase PDIA3 to unfolded substrates (PubMed:16940051, PubMed:23192347). Binds protein substrates via a hydrophobic pocket in the C-terminal domain (PubMed:16940051, PubMed:23192347). May play a role in the unfolded stress response (PubMed:23192347).

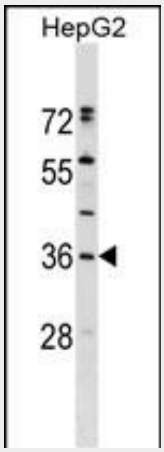
Cellular Location
Endoplasmic reticulum lumen

ERP27 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ERP27 Antibody (C-term) - Images



ERP27 Antibody (C-term) (Cat. #AP17528b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the ERP27 antibody detected the ERP27 protein (arrow).

ERP27 Antibody (C-term) - Background

ERP27 is a noncatalytic member of the protein disulfide isomerase (PDI; see MIM 608012) family of endoplasmic reticulum (ER) proteins (Alanen et al., 2006 [PubMed 16940051]).[supplied by OMIM].

ERP27 Antibody (C-term) - References

Lamesch, P., et al. Genomics 89(3):307-315(2007)
Alanen, H.I., et al. J. Biol. Chem. 281(44):33727-33738(2006)
Lim, J., et al. Cell 125(4):801-814(2006)
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)