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Goat Anti-ERP29 Antibody

Peptide-affinity purified goat antibody

Catalog # AF1382a

Specification

Goat Anti-ERP29 Antibody - Product Information

Application	**WB**
Primary Accession	P30040
Other Accession	NP_006808, 10961, 67397 (mouse), 117030 (rat)
Reactivity	**Human**
Predicted	**Rat, Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**28993**

Goat Anti-ERP29 Antibody - Additional Information

Gene ID 10961

Other Names
Endoplasmic reticulum resident protein 29, ERp29, Endoplasmic reticulum resident protein 28, ERp28, Endoplasmic reticulum resident protein 31, ERp31, ERP29, C12orf8, ERP28

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-ERP29 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-ERP29 Antibody - Protein Information

Name ERP29

Synonyms C12orf8, ERP28

Function
Does not seem to be a disulfide isomerase. Plays an important role in the processing of secretory proteins within the endoplasmic reticulum (ER), possibly by participating in the folding of proteins

in the ER.

Cellular Location
Endoplasmic reticulum lumen. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

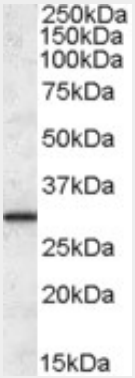
Tissue Location
Ubiquitous. Mostly expressed in secretory tissues.

Goat Anti-ERP29 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 Cytomety
- Cell Culture

Goat Anti-ERP29 Antibody - Images



AF1382a (0.1 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-ERP29 Antibody - Background

This gene encodes a reticuloplasmin, a protein which resides in the lumen of the endoplasmic reticulum (ER). The protein shows sequence similarity to the protein disulfide isomerase family. However, it lacks the thioredoxin motif characteristic of this family, suggesting that this protein does not function as a disulfide isomerase. The protein dimerizes and is thought to play a role in the processing of secretory proteins within the ER. Alternative splicing results in multiple transcript variants encoding different isoforms.

Goat Anti-ERP29 Antibody - References

Overexpression of endoplasmic reticulum protein 29 regulates mesenchymal-epithelial transition and suppresses xenograft tumor growth of invasive breast cancer cells. Bambang IF, et al. Lab Invest, 2009 Nov. PMID 19770839.
ERp29 restricts Connexin43 oligomerization in the endoplasmic reticulum. Das S, et al. Mol Biol Cell,

2009 May. PMID 19321666.
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Crystal structure and functional analysis of the protein disulfide isomerase-related protein ERp29. Barak NN, et al. J Mol Biol, 2009 Feb 6. PMID 19084538.
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