

CoraLite[®] Plus 488-conjugated ERP29 Monoclonal antibody

Catalog Number: **CL488-67675**

Basic Information

Catalog Number:

CL488-67675

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG30262

GenBank Accession Number:

BC101495

GeneID (NCBI):

10961

UNIPROT ID:

P30040

Full Name:

endoplasmic reticulum protein 29

Calculated MW:

261 aa, 29 kDa

Observed MW:

29 kDa

Purification Method:

Protein A purification

CloneNo.:

1H8B2

Recommended Dilutions:

IF-P 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

Human, Mouse, Rat

Positive Controls:

IF-P : human kidney tissue,

Background Information

Endoplasmic reticulum resident protein 29 (ERP29) is a 29-kDa endoplasmic reticulum (ER) luminal protein. Structurally ERp29 is related to protein disulfide isomerases (PDI). However, it lacks the thioredoxin motif, suggesting that this protein does not function as a disulfide isomerase (PMID: 15500441). ERP29 plays an important role in the processing of secretory proteins within the (ER), possibly by participating in the folding of proteins in the ER. The secretion of thyroglobulin (TG) was found to be strongly regulated by ERP29 (PMID: 16380091).

Storage

Storage:

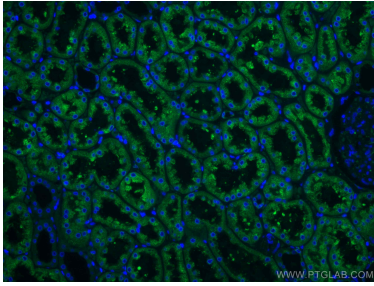
Store at -20°C. Avoid exposure to light.

Storage Buffer:

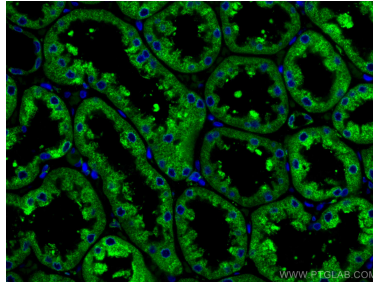
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using CoraLite® Plus 488 ERP29 antibody (CL488-67675, Clone: 1H8B2) at dilution of 1:200.



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