

For Research Use Only

CoraLite® Plus 488-conjugated GRP78/BIP Monoclonal antibody



Catalog Number: **CL488-66574**

Basic Information

Catalog Number:

CL488-66574

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG2188

GenBank Accession Number:

BC020235

GeneID (NCBI):

3309

UNIPROT ID:

P11021

Full Name:

heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)

Calculated MW:

78 kDa

Observed MW:

78 kDa

Purification Method:

Protein G purification

CloneNo.:

1D6F7

Recommended Dilutions:

WB 1:500-1:2000

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

WB

Species Specificity:

Human, rat, mouse

Positive Controls:

WB : A549 cells, HeLa cells, HepG2 cells, MCF-7 cells,
NIH/3T3 cells, HSC-T6 cells

Background Information

GRP78 (HSPA5), also referred to as 'immunoglobulin heavy chain-binding protein' (BiP), is a member of the heat-shock protein-70 (HSP70) family and is involved in the folding and assembly of proteins in the endoplasmic reticulum (ER). It is a constitutively expressed resident protein of the ER in all eukaryotic cells. Recently it has been reported that GRP78 is associated with apoptosis or inhibition of cancer cell growth.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

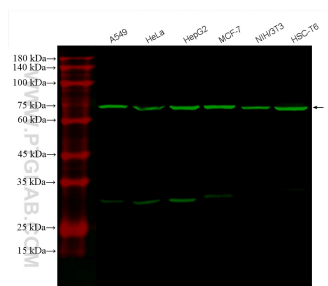
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL488-66574 (GRP78/BIP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.