

For Research Use Only

CoraLite®594-conjugated GRP78/BIP Monoclonal antibody



Catalog Number: **CL594-66574**

Basic Information

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| Catalog Number: CL594-66574 | GenBank Accession Number: BC020235 | Purification Method: Protein G purification |
| Size: 100ul | GeneID (NCBI): 3309 | CloneNo.: 1D6F7 |
| Source: Mouse | Full Name: heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) | Recommended Dilutions: WB 1:500-1:2000 |
| Isotype: IgG1 | Calculated MW: 78 kDa | Excitation/Emission maxima wavelengths: 593 nm/614 nm |
| Immunogen Catalog Number: AG2188 | Observed MW: 78 kDa | |

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

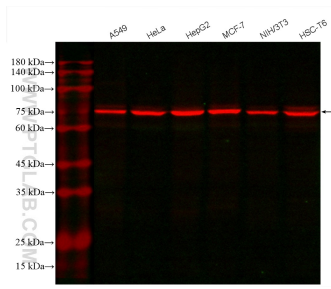
For technical support and original validation data for this product please contact:

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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 CL594-66574 (GRP78/BIP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.