

GRP78 BiP Antibody

Catalog No: #48115

Package Size: #48115-1 50ul #48115-2 100ul



Signalway Antibody

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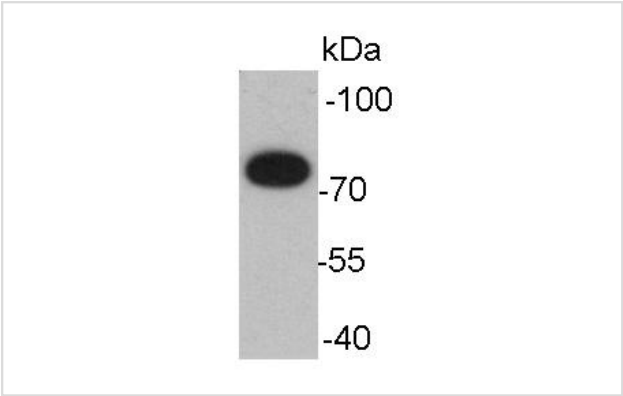
Description

Product Name	GRP78 BiP Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	27
Purification	ProA affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Hu
Immunogen Description	peptide
Conjugates	Unconjugated
Other Names	78 kDa glucose regulated protein antibody 78 kDa glucose-regulated protein antibody AL022860 antibody AU019543 antibody BIP antibody D2Wsu141e antibody D2Wsu17e antibody Endoplasmic reticulum luminal Ca(2+)-binding protein grp78 antibody Endoplasmic reticulum luminal Ca2+ binding protein grp78 antibody Epididymis secretory sperm binding protein Li 89n antibody FLJ26106 antibody Glucose Regulated Protein 78kDa antibody GRP 78 antibody GRP-78 antibody GRP78 antibody GRP78_HUMAN antibody Heat shock 70 kDa protein 5 antibody Heat Shock 70kDa Protein 5 antibody Heat shock protein family A (Hsp70) member 5 antibody HEL S 89n antibody Hsce70 antibody HSPA 5 antibody HSPA5 antibody Immunoglobulin Heavy Chain Binding Protein antibody Immunoglobulin heavy chain-binding protein antibody mBiP antibody MIF2 antibody Sez7 antibody
Accession No.	Swiss-Prot#:P11021
Calculated MW	78kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

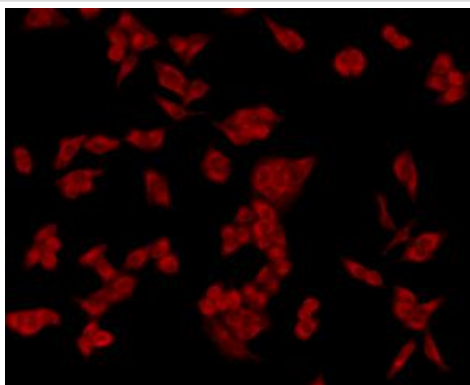
Application Details

WB: 1:5,000-1:10,000 ICC: 1:200

Images



Western blot analysis on human spermatozoa lysates using anti- GRP78 mouse mAb.



ICC staining GRP78 in HeLa cells (red). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Binding immunoglobulin protein (BiP) also known as 78 kDa glucose-regulated protein (GRP-78) or heat shock 70 kDa protein 5 (HSPA5) is a protein that in humans is encoded by the HSPA5 gene. BiP is a HSP70 molecular chaperone located in the lumen of the endoplasmic reticulum (ER) that binds newly synthesized proteins as they are translocated into the ER, and maintains them in a state competent for subsequent folding and oligomerization. BiP is also an essential component of the translocation machinery, as well as playing a role in retrograde transport across the ER membrane of aberrant proteins destined for degradation by the proteasome. Like many stress and heat shock proteins, BiP/GRP78 has potent immunological activity when released from the internal environment of the cell into the extracellular space. Specifically, it feeds anti-inflammatory and pro-resolutive signals into immune networks, thus helping to resolve inflammation.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.