

Product Name: GRP78 BiP (4F11) Mouse Monoclonal Antibody
Catalog #: AMM03871



Summary

Production Name	GRP78 BiP (4F11) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB,ICC/IF,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2b
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	HSPA5 HSPA5; GRP78; 78 kDa glucose-regulated protein; GRP-78; Endoplasmic reticulum
Alternative Names	luminal Ca(2+)-binding protein grp78; Heat shock 70 kDa protein 5; Immunoglobulin heavy chain-binding protein; BiP
Gene ID	3309
SwissProt ID	P11021

Application

Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20
Molecular Weight	Calculated MW: 72 kDa; Observed MW: 78 kDa

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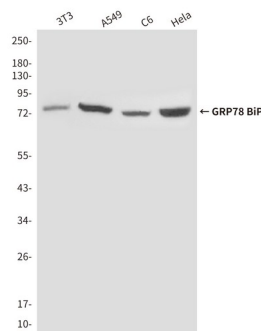
Background

When Chinese hamster K12 cells are starved of glucose, the synthesis of several proteins, called glucose-regulated proteins (GRPs), is markedly increased. Hendershot et al. (1994) (PubMed 8020977) pointed out that one of these, 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).

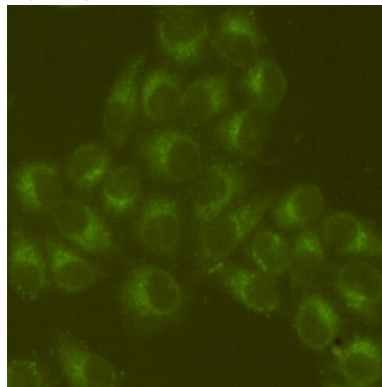
Research Area

Tags & Cell Markers

Image Data

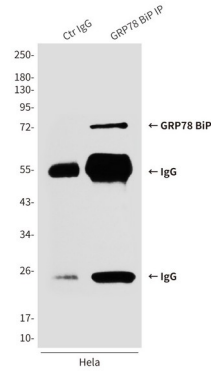


Western blot analysis of GRP78 BiP (4F11) in 3T3, A549, C6 and HeLa lysates using BiP/GRP78 antibody.



Immunofluorescence analysis of GRP78 BiP (4F11) in HeLa using BiP/GRP78 antibody.

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Immunoprecipitation analysis of GRP78 BiP (4F11) in HeLa lysates using BiP/GRP78 antibody. Western blot analysis of BiP/GRP78 using BiP/GRP78 antibody.

Note

For research use only.