Product Name: GRP78 BiP Mouse Monoclonal Antibody
Catalog #: AMM85082
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,ICC 1:50-1:200,IP 1:10-1:20
Molecular Weight	Calculated MW: 72 kDa; Observed MW: 78 kDa

Antigen Information

Gene Name	GRP78 BiP
Alternative Names	HSPA5; GRP78; 78 kDa glucose-regulated protein; GRP-78; Endoplasmic reticulum lumenal Ca(2+)-binding protein grp78; Heat shock 70 kDa protein 5; Immunoglobulin heavy chain-binding protein; BiP
Gene ID	3309.0
SwissProt ID	P11021
Immunogen	Purified recombinant human BiP/GRP78 protein expressed in E.coli.

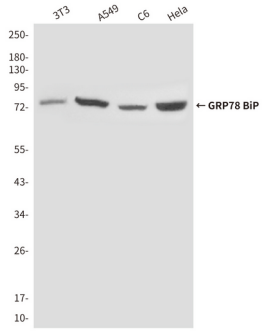
Background

When Chinese hamster K12 cells are starved of glucose, the synthesis of several proteins, called glucose-regulated proteins

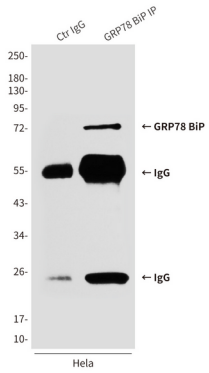
(GRPs), is markedly increased. Hendershot et al. (1994) (PubMed 8020977) pointed out that one of these, GRP78 (HSPA5), also referred to as 'immunoglobulin heavy chain-binding protein' (BiP), is a member of the heat-shock protein-70 (HSP70) family and is involved in the folding and assembly of proteins in the endoplasmic reticulum (ER).

Research Area

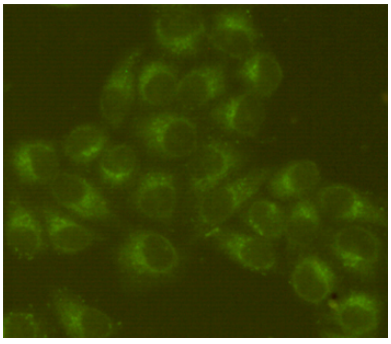
Image Data



Western blot analysis of GRP78 BiP in 3T3, A549, C6 and Hela lysates using BiP/GRP78 antibody.



Immunoprecipitation analysis of GRP78 BiP in Hela lysates using BiP/GRP78 antibody.Western blot analysis of BiP/GRP78 using BiP/GRP78 antibody.



Immunofluorescence analysis of GRP78 BiP in Hela using BiP/GRP78 antibody.