Product Name: GRP78 BiP (9E4) Mouse Monoclonal Antibody
Catalog #: AMM03642
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC/IF
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
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	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

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

Antigen Information

Gene Name	HSPA5
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
SwissProt ID	P11021
Immunogen	A synthetic peptide of human GRP78 BiP

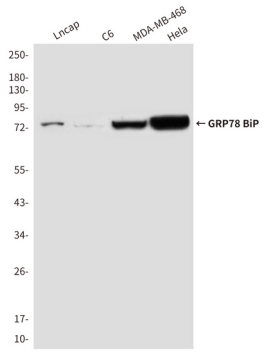
Background

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).

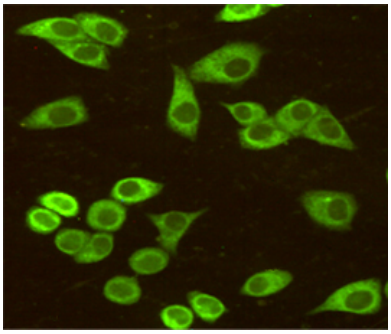
Research Area

Tags & Cell Markers

Image Data



Western blot analysis of BiP/GRP78 (Cterminus) in Hela, C6, Lncap and MDA-MB-468 lysates using BiP/GRP78 (Cterminus) antibody.



Immunocytochemistry analysis of GRP78 BiP (9E4) in HeLa using BiP/GRP78 (Cterminus) antibody.