Product Name: GRP78 BiP (9C7) Mouse Monoclonal Antibody
Catalog #: AMM03619
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC
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,IHC 1:50-1:100
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	Synthetic Peptide of GRP78/Bip

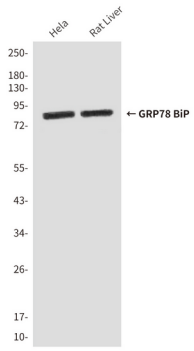
Background

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).

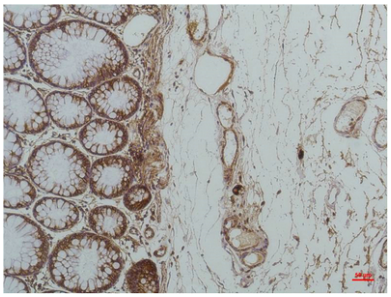
Research Area

Tags & Cell Markers

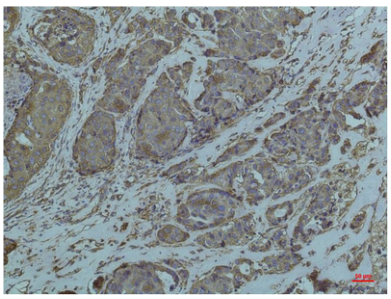
Image Data



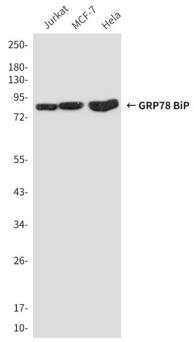
Western blot analysis of GRP78 BiP (9C7)in Hela, rat Liver lysates using GRP78/Bip antibody.



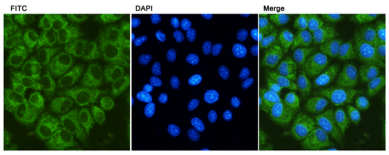
Immunohistochemistry analysis of paraffin-embedded Human Colon Caricnoma using GRP78/Bip antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



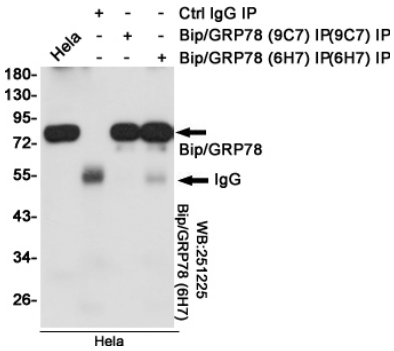
Immunohistochemistry analysis of paraffin-embedded Human Breast Caricnoma using GRP78/Bip antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of GRP78 BiP in Jurkat, MCF-7, Hela lysates using GRP78 BiP (9C7) antibody



Immunocytochemistry analysis of GRP78 BiP in HeLa using Bip/GRP78 (9C7) antibody.



Immunoprecipitation analysis of GRP78 BiP in Hela lysates using Bip/GRP78 (9C7) antidody.