Product Name: GRP78 BiP (6H7) Mouse Monoclonal Antibody
Catalog #: AMM03620
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC
Reactivity	Human,Mouse,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

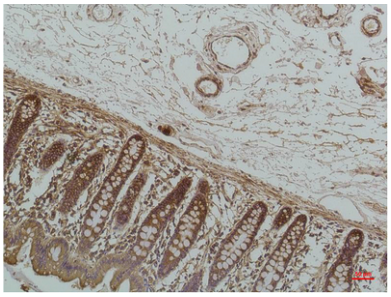
Background

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).

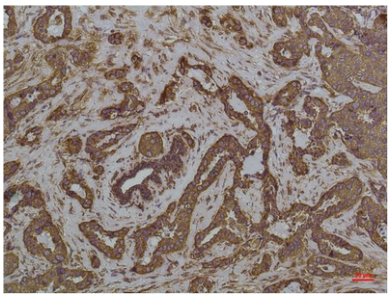
Research Area

Tags & Cell Markers

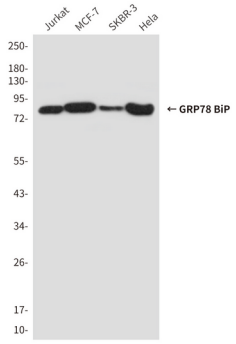
Image Data



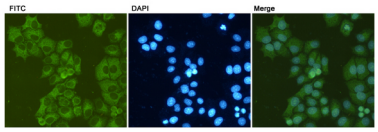
Immunohistochemistry analysis of paraffin-embedded Human Colon Caricnoma using GRP78 BiP (6H7) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



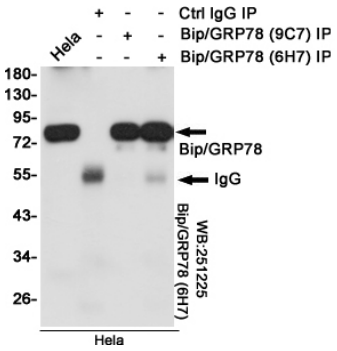
Immunohistochemical analysis of paraffin-embedded Human tonsils using GRP78 BiP (6H7) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



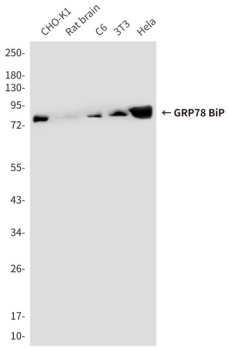
Western blot analysis of GRP78 BiP (6H7) in Jurkat, MCF-7, SKBR3, Hela lysates using GRP78 BiP (6H7) antibody



Immunocytochemistry analysis of GRP78 BiP in HeLa cells using GRP78 BiP (6H7) antibody.



Immunoprecipitation analysis of GRP78 BiP in Hela lysates using BiGRP78 BiP (6H7) antibody.



Western blot analysis of GRP78 BiP (6H7) in CHO-K1, rat brain, C6, 3T3, Hela lysates using GRP78 BiP (6H7) antibody