

**Product Name: GRP78 BiP (6H7) Mouse Monoclonal Antibody**  
**Catalog #: AMM03620**

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## Summary

<b>Production Name</b>	GRP78 BiP (6H7) Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC-P
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

## Immunogen

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

## Application

<b>Dilution Ratio</b>	WB: 1:500-1:1000 IHC: 1:50-1:100
<b>Molecular Weight</b>	Calculated MW: 72 kDa; Observed MW: 78 kDa

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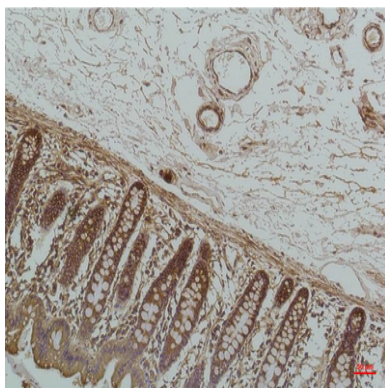
## Background

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).

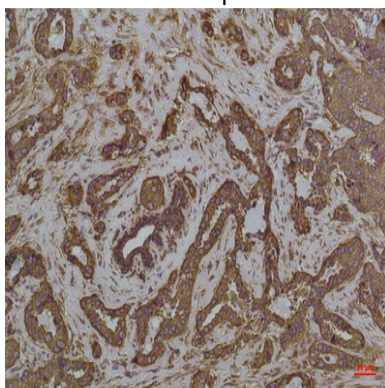
## Research Area

Tags & Cell Markers

## Image Data

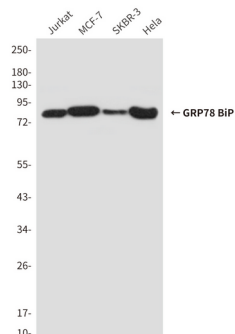


Immunohistochemistry analysis of paraffin-embedded Human Colon Carcinoma using GRP78 BiP (6H7) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

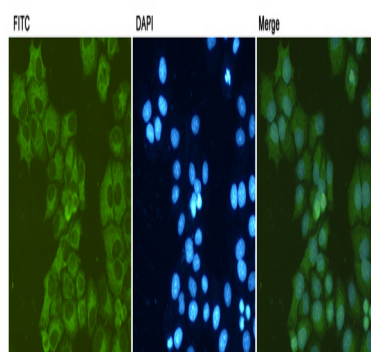


Immunohistochemical analysis of paraffin-embedded Human tonsils using GRP78 BiP (6H7) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

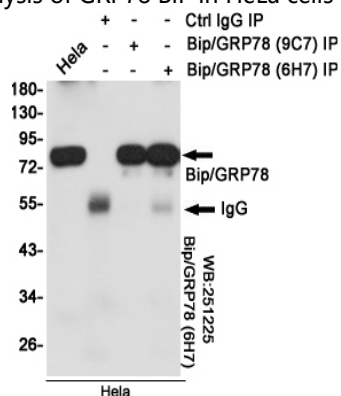
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Western blot analysis of GRP78 BiP (6H7) in Jurkat, MCF-7, SKBR3, HeLa lysates using GRP78 BiP (6H7) antibody



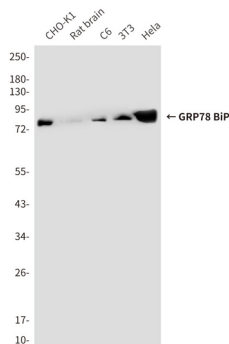
Immunocytochemistry analysis of GRP78 BiP in HeLa cells using GRP78 BiP (6H7) antibody.



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

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

### **Note**

For research use only.