

Mouse BiP/GRP78 Monoclonal Antibody | anti-BiP/GRP78 antibody

BiP/GRP78 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320313	Mouse	Human, Mouse, Rat, Hamster	Immunoprecipitation, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

BiP/GRP78; Monoclonal Antibody; BiP/GRP78 Mouse mAb; 78 kDa glucose regulated protein; 78 kDa glucose-regulated protein; AL022860; AU019543; BIP; D2Wsu141e; D2Wsu17e; Endoplasmic reticulum lumenal Ca(2+)-binding protein grp78; Endoplasmic reticulum lumenal Ca2+ binding protein grp78; FLJ26106; Glucose Regulated Protein 78kDa; GRP 78; GRP-78; GRP78; GRP78_HUMAN; Heat shock 70 kDa protein 5; Heat Shock 70kDa Protein 5; Hsce70; HSPA 5; HSPA5; Immunoglobulin Heavy Chain Binding Protein; Immunoglobulin heavy chain-binding protein; mBiP; MIF2; Sez7.; anti-BiP/GRP78 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Hamster
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of BiP/GRP78 and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-BiP/GRP78 antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant human BiP/GRP78 protein expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of Hela cells fixed by anhydrous methanol at -20° and using BiP/GRP78 mouse mAb (dilution 1:200).



WB (Western Blot)

Western blot analysis of extracts from 3T3.A549.C6 and Hela cell lysates using BiP/GRP78 mouse mAb (1:1000 diluted). Predicted band size: 72KDa. Observed band size: 72KDa.



IP (Immunoprecipitation)

Immunoprecipitation of BiP/GRP78 from Hela cell extracts using BiP/GRP78 Mouse mAb. Western blot was performed using BiP/GRP78 Mouse mAb.

ADDITIONAL INFORMATION

Related Product Information for anti-BiP/GRP78 antibody	The protein encoded by this gene is a member of the heat shock protein 70 (HSP70) family. It is localized in the lumen of the endoplasmic reticulum (ER), and is involved in the folding and assembly of proteins in the ER. As this protein interacts with many ER proteins, it may play a key role in monitoring protein transport through the cell.[provided by RefSeq, Sep 2010]
Product Categories/Family for anti-BiP/GRP78 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	16507237
NCBI GeneID	3309
NCBI Accession #	NP_005338.1
NCBI GenBank Nucleotide #	NM_005347.4
UniProt Accession #	P11021; Q2EF78; Q9NPF1; Q9UK02; B0QZ61
Molecular Weight	72,333 Da
NCBI Official Full Name	78 kDa glucose-regulated protein
NCBI Official Synonym Full Names	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
NCBI Official Symbol	HSPA5
NCBI Official Synonym Symbols	BIP; MIF2; GRP78
NCBI Protein Information	78 kDa glucose-regulated protein; immunoglobulin heavy chain-binding protein; endoplasmic reticulum luminal Ca(2+)-binding protein grp78
UniProt Protein Name	78 kDa glucose-regulated protein
UniProt Gene Name	HSPA5
UniProt Synonym Gene Names	GRP78; GRP-78; BiP
UniProt Entry Name	GRP78_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.