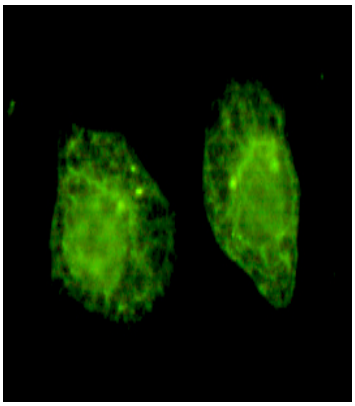
BiP/GRP78 (C-terminus) Antibody

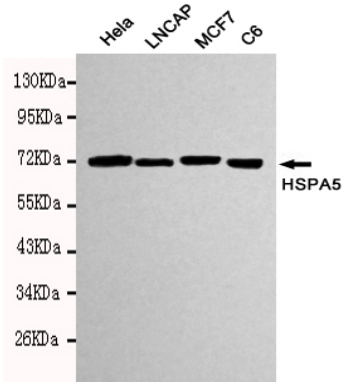
E2200310

Catalog Number:	E2200310
Size:	100ug
Host:	Mouse
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Sensitivity:	This antibody detects endogenous levels BiP/GRP78 and does not cross-react with related proteins.
Entrez summary:	The 78 kDa glucose regulated protein/BiP (GRP78) belongs to the family of ~70 kDa heat shock proteins (HSP 70). GRP78 is a resident protein of the endoplasmic reticulum (ER) and may associate transiently with a variety of newly synthesized secretory and membrane proteins or permanently with mutant or defective proteins that are incorrectly folded, thus preventing their export from the ER lumen. GRP78 is a highly conserved protein that is essential for cell viability. The highly conserved sequence Lys-Asp-Glu-Leu (KDEL) is present at the C terminus of GRP78 and other resident ER proteins including glucose regulated protein 94 (GRP 94) and protein disulfide isomerase (PDI). The presence of carboxy terminal KDEL appears to be necessary for retention and appears to be sufficient to reduce the secretion of proteins from the ER. This retention is reported to be mediated by a KDEL receptor.
UniPort summary Function:	Probably plays a role in facilitating the assembly of multimeric protein complexes inside the ER
Immunogen:	Purified recombinant human BiP/GRP78 protein fragments expressed in E.coli.
Antibody Type:	Monoclonal antibody
Isotype:	IgG1
Purified method:	Affinity purified
Subcellular location:	Endoplasmic reticulum lumen. Melanosome
Reactivity:	H,R
Applications:	WB,ICC
Molecular Weight:	72kDa
UniProt number:	P11021
GeneBank ID:	NM_005347
Gene symbol:	BIP; MIF2; GRP78
Alternate names:	MIF2;HSPA5;FLJ26106

For Research Use Only



Immunocytochemistry of HeLa cells using anti-BiP/GRP78 (C-terminus) antibody diluted 1:100.



Western blot detection of BiP/GRP78 (C-terminus) in Hela，LNCAP,C6&MCF7 cell lysates using BiP/GRP78 (C-terminus) antibody (1:1000 diluted). Predicted band size: 72kDa Observed band size: 72kDa.