

Mouse anti-Human, Rat GRP78 Monoclonal Antibody | anti-GRP78 antibody

Anti-GRP78 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA265824	Mouse	Human, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GRP78; Monoclonal Antibody; Anti-GRP78 Antibody; anti-GRP78 antibody

PRODUCT SPECIFICATIONS

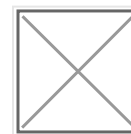
Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of GRP78 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH7.3.
Applicable Applications for anti-GRP78 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant human BiP/GRP78 (C-terminus) protein fragments expressed in E coli.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



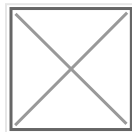
IF (Immunofluorescence)

Immunofluorescent analysis of GRP78 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



IHC (Immunohistochemistry)

Immunohistochemical analysis of GRP78 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.68). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of GRP78 expression in HeLa (A), C6 (B), Lncap (C), MDAMB468 (D) whole cell lysates. (Predicted band size: 72 kD; Observed band size: 78 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-GRP78 antibody	Mouse monoclonal antibody to GRP78
---	------------------------------------

Product Categories/Family for anti-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; P06761
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 lumenal 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/grp78-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/265824>