

Rabbit anti-Human, Mouse Grp78 Polyclonal Antibody | anti-Grp78 antibody

Grp78 Antibody

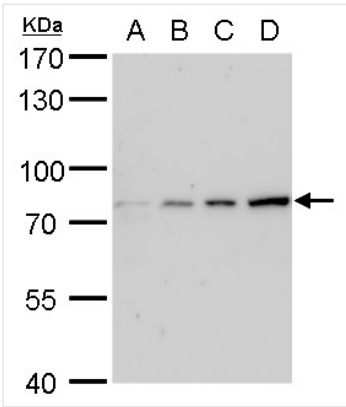
CATALOG # AAA306490	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

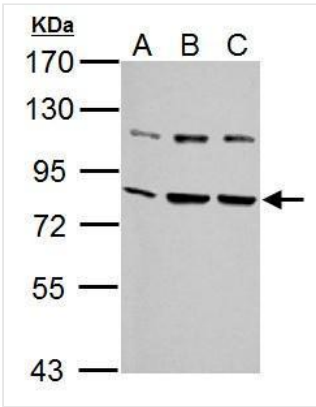
Grp78; Polyclonal Antibody; Grp78 Antibody; BIP antibody; FLJ26106 antibody; GRP78 antibody; MIF2 antibody; HSPA5 antibody; immunoglobulin heavy chain-binding protein antibody; 78 kDa glucose-regulated protein antibody; endoplasmic reticulum lumenal Ca(2+)-binding protein grp78 antibody; "heat shoc; anti-Grp78 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total Grp78 protein.
Purity/Purification	Antibodies were purified by antigen-affinity chromatography.
Form/Format	Rabbit IgG in 1XPBS, 40% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration	1 mg/ml (varies by lot)
Sequence Length	654
Applicable Applications for anti-Grp78 antibody	WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fragment corresponding to a region within amino acids 478 and 654 of Grp78.
Target Name	Grp78
Preparation and Storage	Store at -20 degree C



Application Data
Grp78 antibody detects Grp78 protein by western blot analysis. A. 30 mug 293T whole cell lysate/extract B. 30 mug A431 whole cell lysate/extract C. 30 mug HeLa whole cell lysate/extract D. 30 mug HepG2 whole cell lysate/extract 7.5 % SDS-PAGE #102567 dilution: 1:1000



Application Data
Sample (30 ug of whole cell lysate) A: NIH-3T3 B: JC C: BCL-1 7.5% SDS PAGE diluted at 1:2000

ADDITIONAL INFORMATION

Related Product Information for anti-Grp78 antibody	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). Because so many ER proteins interact transiently with GRP78, it may play a key role in monitoring protein transport through the cell.[supplied by OMIM]
Product Categories/Family for anti-Grp78 antibody	Total protein Ab

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; HEL-S-89n
NCBI Protein Information	78 kDa glucose-regulated protein
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/grp78-antibody-western-blot-elisa/306490>