Grp78 Antibody

Catalog No: #35394

Orders: order@signalwayantibody.com
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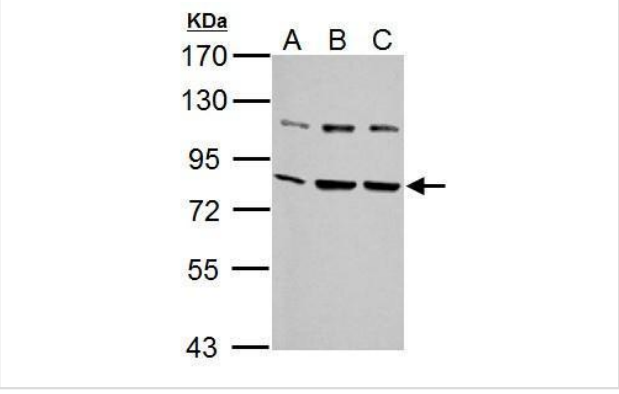
Description

Product Name	Grp78 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by antigen-affinity chromatography.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total Grp78 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fragment corresponding to a region within amino acids 478 and 654 of Grp78.
Target Name	Grp78
Other Names	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
Accession No.	Swiss-Prot#:P11021;NCBI Gene#:3309
Uniprot	P11021
GeneID	3309;
SDS-PAGE MW	72kd
Concentration	1mg/ml
Formulation	Rabbit IgG in 1XPBS, 40% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C

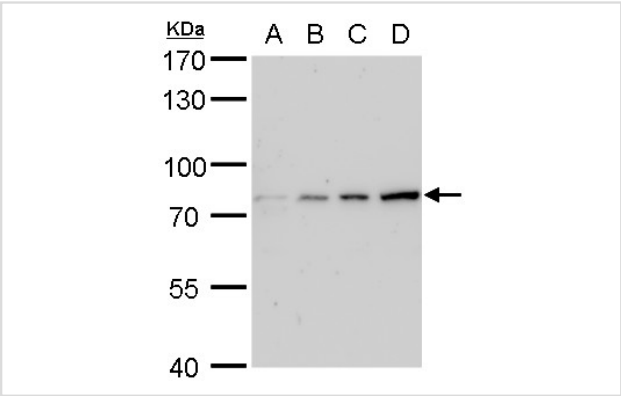
Application Details

Western blotting: 1:500-1:3000

Images



Sample (30 ug of whole cell lysate)
A: NIH-3T3
B: JC
C: BCL-1
7.5% SDS PAGE
#35394 diluted at 1:2000



Grp78 antibody detects Grp78 protein by western blot analysis.A. 30 µg 293T whole cell lysate/extractB. 30 µg A431 whole cell lysate/extract C. 30 µg HeLa whole cell lysate/extractD. 30 µg HepG2 whole cell lysate/extract7.5 % SDS-PAGE #102567 dilution: 1:1000

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). 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]

Note: This product is for in vitro research use only