

GRP78 polyclonal antibody

Catalog: BS6479

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The HSP 70 family comprises four highly conserved proteins, HSP 70, HSC 70, GRP 75 and GRP 78, which serve a variety of roles. They act as molecular chaperones facilitating the assembly of multi-protein complexes, participate in the translocation of polypeptides across cell membranes and to the nucleus, and aid in the proper folding of nascent polypeptide chains. HSC 70, GRP 75 and GRP 78 are constitutively expressed in primate cells. HSP 70 expression is strongly induced in response to heat stress. HSP 70 and HSC 70, which are found in both the cytosol and nucleus of mammalian cells, play key roles in the cytosolic endoplasmic reticulum and mitochondrial import machinery.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 78 kDa

Swiss-Prot:

P11021

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:2000

IHC: 1:50~1:200

IF: 1:50~1:200

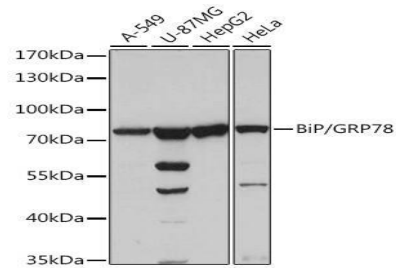
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

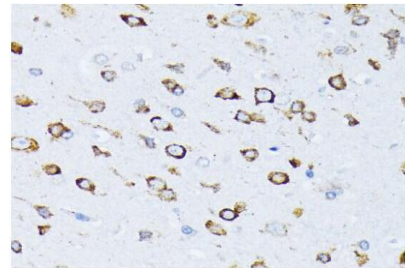
Specificity:

GRP78 polyclonal antibody detects endogenous levels of GRP78 protein.

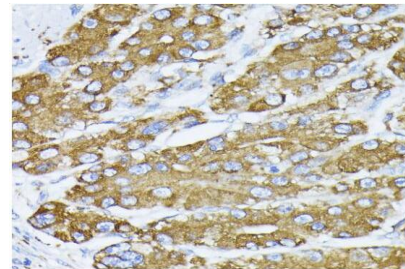
DATA:



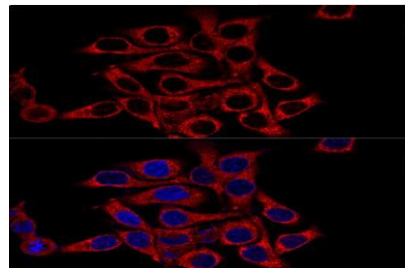
Western blot analysis of extracts of various cell lines, using BiP/GRP78 antibody at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded rat brain using BiP/GRP78 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human liver cancer using BiP/GRP78 antibody at dilution of 1:100 (40x lens).



Confocal immunofluorescence analysis of HeLa cells using BiP/GRP78

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

antibody at dilution of 1:200. Blue: DAPI for nuclear staining.

For research use only, not for use in diagnostic procedure.

Note:

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