

GRP78 polyclonal antibody

Catalog: BS90605

Host: Rabbit

Reactivity: Human, mouse, Rat

BackGround:

Binding immunoglobulin protein (BiP) also known as 78 kDa glucose-regulated protein (GRP-78) or heat shock 70 kDa protein 5 (HSPA5) is a protein that in humans is encoded by the HSPA5 gene. BiP is a HSP70 molecular chaperone located in the lumen of the endoplasmic reticulum (ER) that binds newly synthesized proteins as they are translocated into the ER, and maintains them in a state competent for subsequent folding and oligomerization. BiP is also an essential component of the translocation machinery, as well as playing a role in retrograde transport across the ER membrane of aberrant proteins destined for degradation by the proteasome. Like many stress and heat shock proteins, BiP/GRP78 has potent immunological activity when released from the internal environment of the cell into the extracellular space. Specifically, it feeds anti-inflammatory and pro-resolutive signals into immune networks, thus helping to resolve inflammation.

Product:

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

Molecular Weight:

72 kDa

Swiss-Prot:

P11021

Purification&Purity:

Peptide affinity purified

Applications:

WB:1:2,000

ICC:1:200

IHC:1:200

FC:1:100-1:200

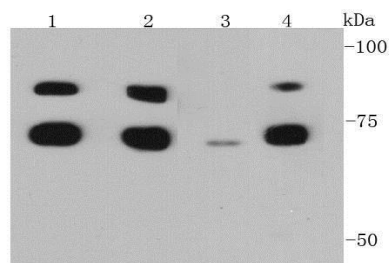
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

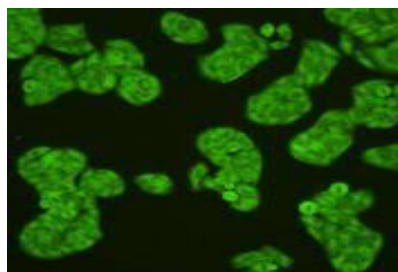
Specificity:

GRP78 polyclonal antibody detects endogenous levels of GRP78 protein.

DATA:



Western blot analysis of GRP78 on different cell lysates using anti-GRP78 antibody at 1/2000 dilution.



ICC staining GRP78 in HeLa cells (green). Cells were fixed in para-formaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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