Product datasheet

Anti-GRP78/BIP/HSPA5 Antibody

Catalog Number: *BA4293*

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Basic Information

Product Name	Anti-GRP78/BIP/HSPA5 Antibody
Gene Name	HSPA5
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rabbit, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS ， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human GRP78 BiP(603-617aa EWLESHQDADIEDFK), identical to the related mouse and rat sequences.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	78KD
Dilution Ratios	Western blot(WB):1:500-2000

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

HSPA5(heat shock 70kDa protein 5) also known as glucose-regulated protein, 78kD(GRP78) or 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. 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. The HSPA5 gene is mapped on 9q33.3. Shen et al.(2002)°Concluded that HSPA5 retains ATF6 in the ER by inhibiting its Golgi localization signals and that dissociation of HSPA5 during ER stress allows ATF6 to be transported to the Golgi. The findings of Shen et al.(2002) demonstrated that HSPA5 is a key element in sensing the folding capacity within the ER.

Reference

Anti-GRP78/BIP/HSPA5 Antibody被引用在3文献中。

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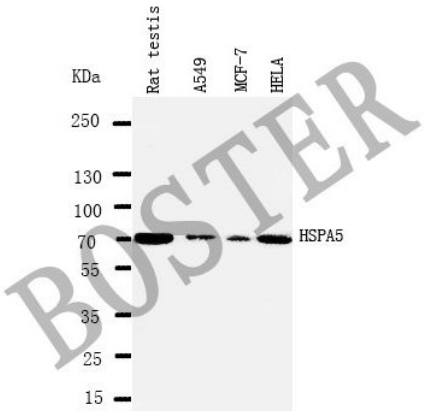
Selected Validation Data



HSPA5(BA4293)(MW:70KD)大鼠睾丸组织, A549, MCF-7, HELA细胞裂解, 免疫印迹分析.