Product datasheet

Anti-GRP94/HSP90B1 Antibody

Catalog Number: *BA0930*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-GRP94/HSP90B1 Antibody
Gene Name	HSP90B1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, rat
Tested Application	WB, IHC, ICC/IF
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human GRP94, identical to the related mouse and rat sequences.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	100 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

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

Background Information

Heat shock protein 90kDa beta member 1 (HSP90B1), known also as endoplasmin, GRP94, is a chaperone protein that in humans is encoded by the HSP90B1 gene. It is mapped to chromosome 12q23.3. This gene encodes a member of a family of adenosine triphosphate (ATP)-metabolizing molecular chaperones with roles in stabilizing and folding other proteins. The encoded protein is localized to melanosomes and the endoplasmic reticulum. Expression of this protein is associated with a variety of pathogenic states, including tumor formation.

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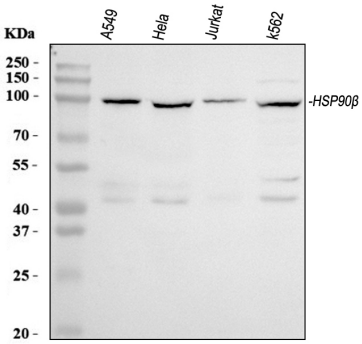
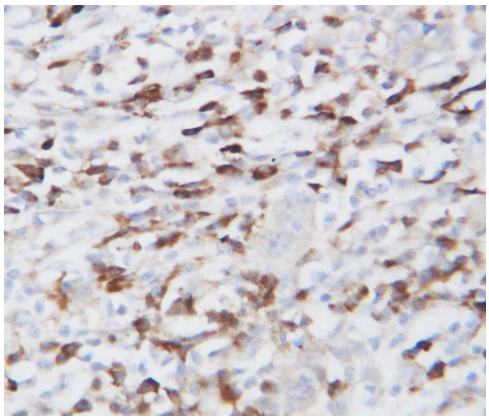
Reference

Anti-GRP94/HSP90B1 Antibody被引用在2文献中。

Selected Validation Data



Western blot analysis of GRP94/HSP90B1 using anti-GRP94/HSP90B1 antibody (BA0930). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human A549 whole cell lysates,
Lane 2: human Hela whole cell lysates,
Lane 3: human Jurkat whole cell lysates,
Lane 4: human K562 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-GRP94/HSP90B1 antigen affinity purified polyclonal antibody (BA0930) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for GRP94/HSP90B1 at approximately 100 kDa. The expected band size for GRP94/HSP90B1 is at 92 kDa.



IHC analysis of GRP94/HSP90B1 using anti-GRP94/HSP90B1 antibody (BA0930).
GRP94/HSP90B1 was detected in a paraffin-embedded section of human lung cancer tissue. The tissue section was incubated with rabbit anti-GRP94/HSP90B1 Antibody (BA0930) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

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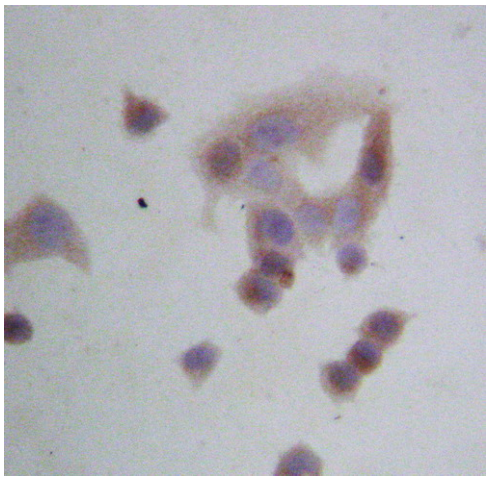

ICC analysis of GRP94/HSP90B1 using anti- GRP94/HSP90B1 antibody (BA0930).
GRP94/HSP90B1 was detected in an immunocytochemical section of Hela cells. The section was incubated with rabbit anti-GRP94/HSP90B1 Antibody (BA0930) at a dilution of 1:100. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.