

Product datasheet for **AM50614PU-N**

GRP94 (HSP90B1) Mouse Monoclonal Antibody [Clone ID: AT94B9]

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | AT94B9 |
| Applications: | ELISA, FC, IF, WB |
| Recommended Dilution: | The antibody has been tested by ELISA, Western blot analysis, ICC/IF and Flow cytometry to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Immunogen: | Recombinant human GRP94 (22-803aa) purified from E.coli. |
| Formulation: | Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol. State: Purified State: Liquid purified Ig fraction |
| Concentration: | lot specific |
| Purification: | Protein-A affinity chromatography |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | heat shock protein 90kDa beta family member 1 |
| Database Link: | Entrez Gene 7184 Human P14625 |
| Background: | GRP94, also known as Heat shock protein 90kDa beta, member 1 (HSP90B1), is an abundant resident endoplasmic reticulum (ER) lumel stress protein which together with cytosolic Hsp90 belongs to the Hsp90 family of molecular chaperones. It plays an important role in maintaining protein homeostasis in the secretory pathway. Also, GRP94 can function in the intracellular trafficking of peptides from the extracellular space to the MHC class I antigen processing pathway of antigen presentation cells. |



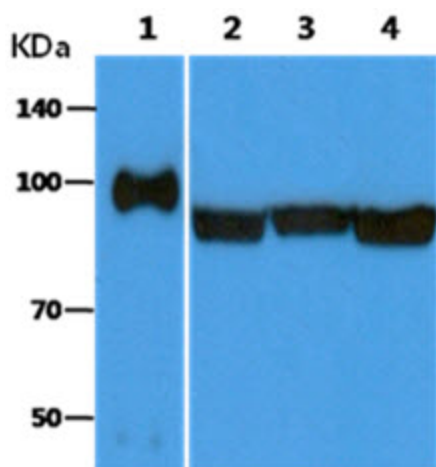
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Synonyms: Tumor rejection antigen 1, GRP94

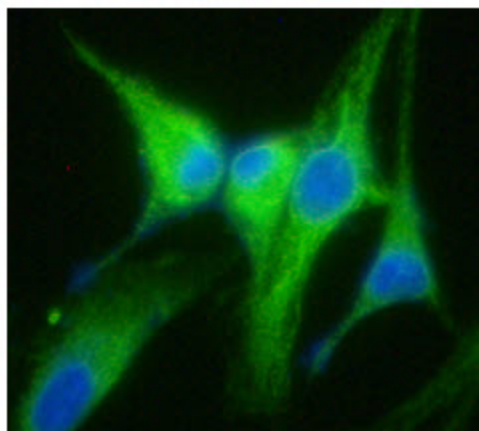
Protein Families: Druggable Genome

Protein Pathways: NOD-like receptor signaling pathway, Pathways in cancer, Prostate cancer

Product images:



The Recombinant Human GRP94 (25ng) and Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GRP94 antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant Human GRP94 Lane 2.: HeLa cell lysate Lane 3.: Jurkat cell lysate Lane 4.: HepG2 cell lysate



ICC/IF analysis of GRP94 in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human GRP94 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).