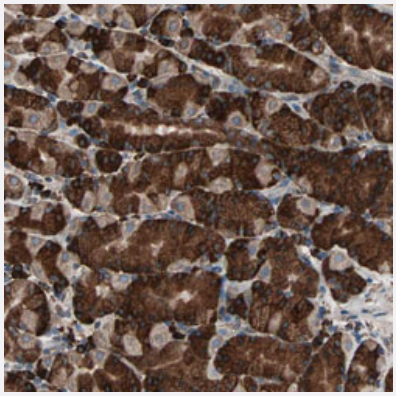
# HSP90B1 polyclonal antibody

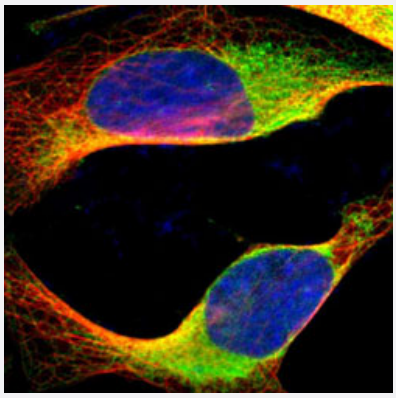
Catalog # PAB30651 Size 100 uL

## Applications



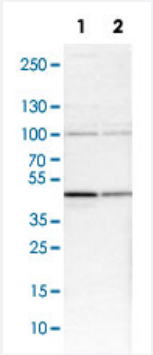
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human stomach with HSP90B1 polyclonal antibody (Cat # PAB30651) shows strong cytoplasmic positivity in glandular cells.



### Immunofluorescence

Immunofluorescent staining of U-2 OS with HSP90B1 polyclonal antibody (Cat # PAB30651) (Green) shows positivity in endoplasmic reticulum.




### Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumor cells) with HSP90B1 polyclonal antibody (Cat # PAB30651).

## Specification

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| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against partial recombinant human HSP90B1. |
| **Immunogen** | Recombinant protein corresponding to human HSP90B1. |
| **Sequence** | SGNMERIMKAQAYQTGKDISTNYYASQKKTFEINPRHPLIRDMLRRIKEDEDDKTVLDLAVVLFETA TLRSGYLLPDTKAYGDRIERMLRLSLNIDPDAKVEEEPEEEPEETAEDTTEDTEQDEDEEMDVGT DEEEETAKESTA |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunofluorescence (1-4 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-1:2500)<br>Western Blot (1:100-1:250)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide). |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

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## Gene Info — HSP90B1

| | |
|---|---|
| **Entrez GeneID** | 7184 |
| **Protein Accession#** | P14625 |
| **Gene Name** | HSP90B1 |
| **Gene Alias** | ECGP, GP96, GRP94, TRA1 |
| **Gene Description** | heat shock protein 90kDa beta (Grp94), member 1 |
| **Omim ID** | 191175 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. HSP90B1 is an endoplasmic reticulum HSP90 protein. Other HSP90 proteins are found in cytosol (see HSP90AA1; MIM 140571) and mitochondria (TRAP1; MIM 606219) (Chen et al., 2005 [PubMed 16269234]).[supplied by OMIM |
| **Other Designations** | Tumor rejection antigen-1 (gp96)\|endothelial cell (HBMEC) glycoprotein\|glucose regulated protein, 94 kDa\|heat shock protein 90kDa beta, member 1\|tumor rejection antigen (gp96) 1 |

## Pathway

- Pathways in cancer
- Prostate cancer

## Disease

- Bipolar Disorder
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Kidney Failure
- Schizophrenia

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