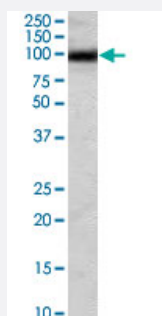


HSP90B1 polyclonal antibody

Catalog # PAB7052

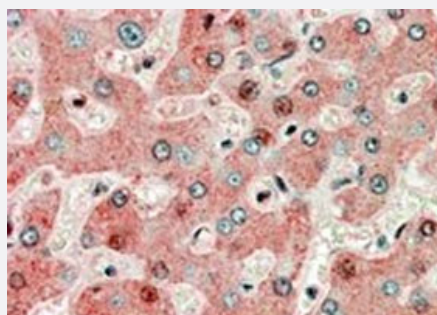
Size 100 ug

Applications



Western Blot (Cell lysate)

HSP90B1 polyclonal antibody (Cat # PAB7052) (0.03 ug/mL) staining of NIH/3T3 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



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

HSP90B1 polyclonal antibody (Cat # PAB7052, 3.8 ug/mL) staining of paraffin embedded human liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of HSP90B1.
Immunogen	A synthetic peptide corresponding to human HSP90B1.
Sequence	C-KEGVKFDESEKTKE
Host	Goat
Theoretical MW (kDa)	92.5
Reactivity	Mouse, Rat
Form	Liquid

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) Western blot (0.01-0.03 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (3-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — HSP90B1

Entrez GeneID	7184
Protein Accession#	NP_003290.1
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

Publication Reference

- [Derivation of human embryonic stem cells from day-8 blastocysts recovered after three-step in vitro culture.](#)

Stojkovic M, Lako M, Stojkovic P, Stewart R, Przyborski S, Armstrong L, Evans J, Herbert M, Hyslop L, Ahmad S, Murdoch A, Strachan T.

Stem Cells 2004 Sep; 22(5):790.

Application: IF, IHC, Human, Human embryonic stem cells

Pathway

- [Pathways in cancer](#)
- [Prostate cancer](#)

Disease

- [Bipolar Disorder](#)
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