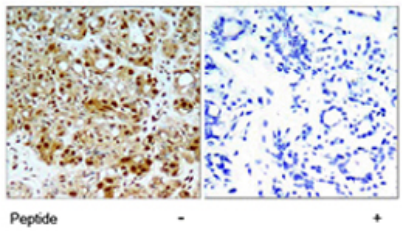
HSP90AB1 polyclonal antibody

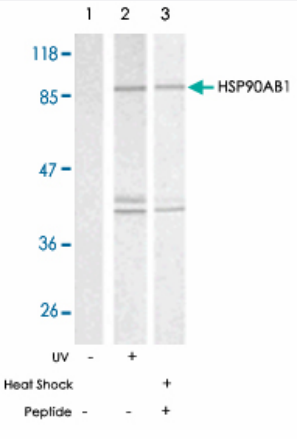
Catalog # PAB5397 Size 100 ug

Applications



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HSP90AB1 polyclonal antibody (Cat # PAB5397) .



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells using HSP90AB1 polyclonal antibody (Cat # PAB5397) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HSP90AB1.
Immunogen	A synthetic peptide corresponding to residues surrounding S254 of human HSP90AB1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid

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Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 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 shoul d be handled by trained staff only.

Applications

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

  Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HSP90AB1 polyclonal antibody (Cat # PAB5397) .

- Western Blot (Cell lysate)

  Western blot analysis of extracts from HeLa cells using HSP90AB1 polyclonal antibody (Cat # PAB5397) .

Gene Info — HSP90AB1

Entrez GeneID	3326
Gene Name	HSP90AB1
Gene Alias	D6S182, FLJ26984, HSP90-BETA, HSP90B, HSPC2, HSPCB
Gene Description	heat shock protein 90kDa alpha (cytosolic), class B member 1
Omim ID	140572
Gene Ontology	Hyperlink
Gene Summary	HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduc tion, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally as sociate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. There are 2 major cytosolic HSP90 prote ins, HSP90AA1 (MIM 140571), an inducible form, and HSP90AB1, a constitutive form. Other HS P90 proteins are found in endoplasmic reticulum (HSP90B1; MIM 191175) and mitochondria (TR AP1; MIM 606219) (Chen et al., 2005 [PubMed 16269234]).[supplied by OMIM

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Other Designations	OTTHUMP00000016517|OTTHUMP00000016518|OTTHUMP00000016519|OTTHUMP00000039869|heat shock 90kD protein 1, beta|heat shock 90kDa protein 1, beta|heat shock protein beta

Publication Reference

- Molecular interaction network of the Hsp90 chaperone system.

  Zhao R, Houry WA.

  Advances in Experimental Medicine and Biology 2007 Feb; 594:27.

- Global, in vivo, and site-specific phosphorylation dynamics in signaling networks.

  Olsen JV, Blagoev B, Gnad F, Macek B, Kumar C, Mortensen P, Mann M.

  Cell 2006 Nov; 127(3):635.

- Phosphorylation analysis of 90 kDa heat shock protein within the cytosolic arylhydrocarbon receptor complex.

  Ogiso H, Kagi N, Matsumoto E, Nishimoto M, Arai R, Shirouzu M, Mimura J, Fujii-Kuriyama Y, Yokoyama S.

  Biochemistry 2004 Dec; 43(49):15510.

  Application: WB, Mouse, CHO cells

Pathway

- Antigen processing and presentation
- Pathways in cancer
- Prostate cancer

Disease

- Asthma
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hematologic Diseases

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- Kidney Failure
- Occupational Diseases

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