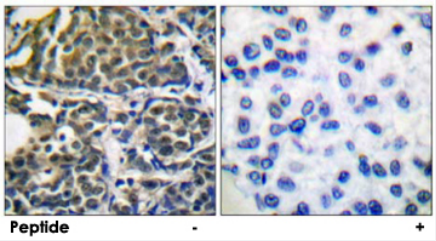
# HSP90AB1 polyclonal antibody

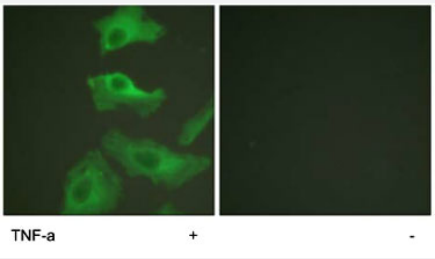
Catalog # PAB18096 Size 100 ug

## Applications



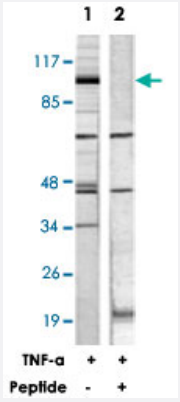

### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HSP90AB1 polyclonal antibody (Cat # PAB18096).
Peptide "+" means "peptide blocking".




### Immunofluorescence

Immunofluorescence analysis of HeLa cells, treated with TNF-a (20 nM, 15 mins), using HSP90AB1 polyclonal antibody (Cat # PAB18096).
Peptide "+" means "peptide blocking".




### Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells treated with TNF-a (20 ng/mL, 30 min), using HSP90AB1 polyclonal antibody (Cat # PAB18096).
Peptide "+" means "peptide blocking".

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against synthetic peptide of HSP90AB1. |

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| | |
|---|---|
| **Immunogen** | A synthetic peptide corresponding to human HSP90AB1. |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Specificity** | This antibody is specific to HSP90AB1. |
| **Form** | Liquid |
| **Purification** | Affinity purification |
| **Concentration** | 1 mg/mL |
| **Recommend Usage** | Western Blot (1:500-1:1000)<br>Immunohistochemistry (1:50-1:100)<br>Immunofluorescence (1:500-1:1000)<br>ELISA (1:40000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide) |
| **Storage Instruction** | 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

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

  Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HSP90AB1 polyclonal antibody (Cat # PAB18096).
  Peptide "+" means "peptide blocking".

- Immunofluorescence

  Immunofluorescence analysis of HeLa cells, treated with TNF-a (20 nM, 15 mins), using HSP90AB1 polyclonal antibody (Cat # PAB18096).
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- Enzyme-linked Immunoabsorbent Assay

- Immunoprecipitation

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  Peptide "+" means "peptide blocking".

## Gene Info — HSP90AB1

| | |
|---|---|
| **Entrez GeneID** | 3326 |
| **Protein Accession#** | P08238 |
| **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 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. There are 2 major cytosolic HSP90 proteins, HSP90AA1 (MIM 140571), an inducible form, and HSP90AB1, a constitutive form. Other HSP90 proteins are found in endoplasmic reticulum (HSP90B1; MIM 191175) and mitochondria (TRAP1; MIM 606219) (Chen et al., 2005 [PubMed 16269234]).[supplied by OMIM |
| **Other Designations** | OTTHUMP00000016517\|OTTHUMP00000016518\|OTTHUMP00000016519\|OTTHUMP00000039869\|heat shock 90kD protein 1, beta\|heat shock 90kDa protein 1, beta\|heat shock protein beta |

## Publication Reference


- A nonredundant human protein chip for antibody screening and serum profiling.

  Lueking A, Possling A, Huber O, Beveridge A, Horn M, Eickhoff H, Schuchardt J, Lehrach H, Cahill DJ.

  Molecular and Cellular Proteomics 2003 Dec; 2(12):1342.

- Domain mapping studies reveal that the M domain of hsp90 serves as a molecular scaffold to regulate Akt-dependent phosphorylation of endothelial nitric oxide synthase and NO release.

  Fontana J, Fulton D, Chen Y, Fairchild TA, McCabe TJ, Fujita N, Tsuruo T, Sessa WC.

  Circulation Research 2002 May; 90(8):866.

  Application: IP, WB, Bovine, Bovine aortic endothelial cells


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## Pathway

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

## Disease

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

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