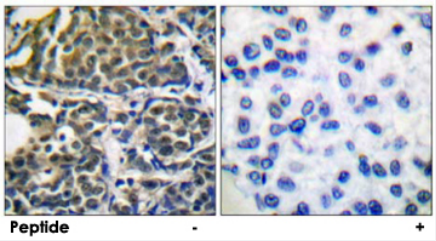
HSP90AB1 polyclonal antibody

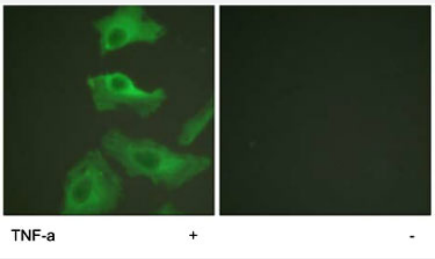
Catalog # PAB18096 Size 100 ug

Applications



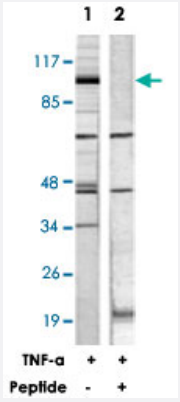
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:40000) 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. 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).
  Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

- Immunoprecipitation

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- 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".

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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