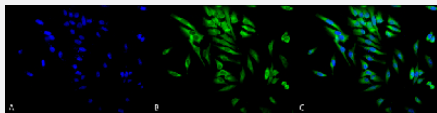


HSP90AA1/HSP90AB1 monoclonal antibody, clone Hyb-K41220A (FITC)

Catalog # MAB16764 Size 100 ug

Applications

Immunocytochemistry



Immunocytochemical staining of HeLa cells with HSP90AA1/HSP90AB1 monoclonal antibody, clone Hyb-K41220A (FITC) (Cat # MAB16764). (A) DAPI (blue) nuclear stain. (B) Anti-HSP90AA1/HSP90AB1 Antibody. (C) Composite.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human HSP90AA1/HSP90AB1.
Immunogen	Recombinant protein corresponding to amino acids 291-304 of human HSP90 alpha.
Host	Mouse
Reactivity	Human
Form	Liquid
Conjugation	FITC
Purification	Protein G purification
Isotype	IgG2a

Recommend Usage	ELISA Immunocytochemistry (1:100) Immunofluorescence (1:100) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.09% sodium azide).
Storage Instruction	Store at -20°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

- Immunocytochemistry

Immunocytochemical staining of HeLa cells with HSP90AA1/HSP90AB1 monoclonal antibody, clone Hyb-K41220A (FITC) (Cat # MAB16764). (A) DAPI (blue) nuclear stain. (B) Anti-HSP90AA1/HSP90AB1 Antibody. (C) Composite.

- Immunofluorescence
- Enzyme-linked Immunoabsorbent Assay

Gene Info — HSP90AA1

Entrez GeneID	3320
Protein Accession#	P07900;P08238
Gene Name	HSP90AA1
Gene Alias	FLJ31884, HSP86, HSP89A, HSP90A, HSP90N, HSPC1, HSPCA, HSPCAL1, HSPCAL4, HSPN, Hsp89, Hsp90, LAP2
Gene Description	heat shock protein 90kDa alpha (cytosolic), class A member 1
Omim ID	140571
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, an inducible form, and HSP90AB1 (MIM 140572), 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

heat shock 90kD protein 1, alpha|heat shock 90kD protein 1, alpha-like 4|heat shock 90kD protein, alpha-like 4|heat shock 90kDa protein 1, alpha

Gene Info — HSP90AB1

Entrez GeneID

[3326](#)

Protein Accession#

[P07900;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

- [Identification of the pentapeptide constituting a dominant epitope common to all eukaryotic heat shock protein 90 molecular chaperones.](#)

Kishimoto J, Fukuma Y, Mizuno A, Nemoto TK.

Cell Stress & Chaperones 2005 Jan; 10(4):296.

Pathway

- [Antigen processing and presentation](#)
- [Antigen processing and presentation](#)
- [Pathways in cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Prostate cancer](#)

Disease

- [Asthma](#)
- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Kidney Failure](#)
- [Occupational Diseases](#)