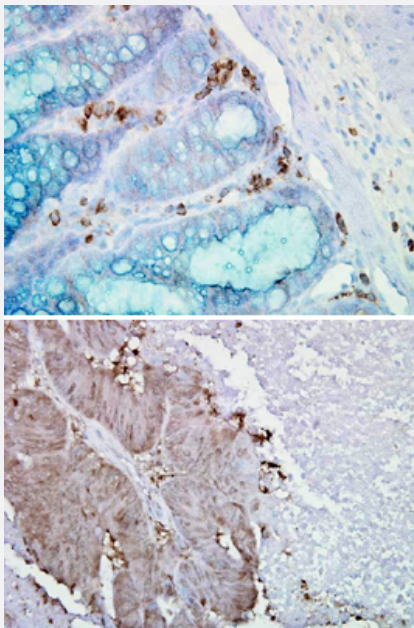


HSP90AA1/HSP90AA2 monoclonal antibody, clone Hyb-K41009

Catalog # MAB6619

Size 100 ug

Applications



Immunohistochemistry

Immunohistochemical staining of mouse colon cancer with HSP90AA1/HSP90AA2 monoclonal antibody, clone Hyb-K41009 (Cat # MAB6619). In 5,000 fold Amplify.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant HSP90AA1/HSP90AA2.
Immunogen	Recombinant protein corresponding to human HSP90AA1/HSP90AA2.
Host	Mouse
Reactivity	Human
Specificity	Detects 90KDa proteins corresponding to the molecular mass of Hsp90alpha. Identical to human (Alpha Specific).
Form	Liquid
Isotype	IgG2a

Recommend Usage	Western Blot (1 ug/mL) 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. 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

- Western Blot
- Immunohistochemistry
Immunohistochemical staining of mouse colon cancer with HSP90AA1/HSP90AA2 monoclonal antibody, clone Hyb-K41009 (Cat # MAB6619). In 5,000 fold Amplify.
- Enzyme-linked Immunoabsorbent Assay

Gene Info — HSP90AA1

Entrez GeneID	3320
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 — HSP90AA2

Entrez GeneID

[3324](#)

Gene Name

HSP90AA2

Gene Alias

HSP90ALPHA, HSPCA, HSPCAL3

Gene Description

heat shock protein 90kDa alpha (cytosolic), class A member 2

Omim ID

[140575](#)

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. HSP90AA2 is a cytosolic HSP90 protein. Other HSP90 proteins are found in endoplasmic reticulum (HSP90B1; MIM 191175) and mitochondria (TRAP1; MIM 606219) (Chen et al., 2005 [PubMed 16269234]). See HSP90AA1 (MIM 140571) for further information on HSP90 proteins.[supplied by OMIM]

Other Designations

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Publication Reference

- [Hsp90 inhibitors as novel cancer chemotherapeutic agents.](#)

Neckers L.

Trends in Molecular Medicine 2002 Apr; 8(4 Suppl):S55.

- [Perturbation of Hsp90 interaction with nascent CFTR prevents its maturation and accelerates its degradation by the proteasome.](#)

Loo MA, Jensen TJ, Cui L, Hou Y, Chang XB, Riordan JR.

The EMBO Journal 1998 Dec; 17(23):6879.

Application: IP, WB-Ce, Mouse, BHK cells

- [Analysis of FKBP51/FKBP52 chimeras and mutants for Hsp90 binding and association with progesterone receptor complexes.](#)

Barent RL, Nair SC, Carr DC, Ruan Y, Rimerman RA, Fulton J, Zhang Y, Smith DF.

Molecular Endocrinology 1998 Mar; 12(3):342.

Application: WB, Recombinant protein

Pathway

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

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)