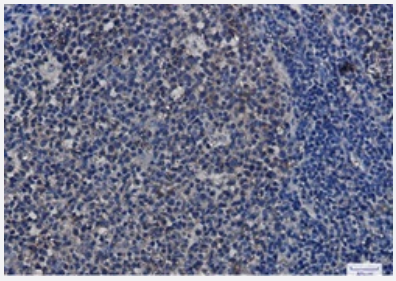
RecomAb™

HSP90AA1/HSP90AB1 recombinant monoclonal antibody, clone R08-8A1

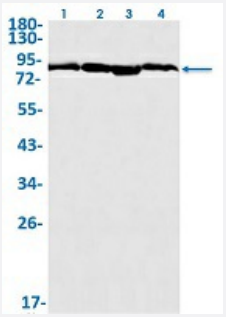
Catalog # RAB02194 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with HSP90AA1/HSP90AB1 recombinant monoclonal antibody, clone R08-8A1 (Cat # RAB02194). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western Blot

Western Blot analysis of Lane 1: rat brain, Lane 2: C6, Lane 3: 3T3 and Lane 4: Hela lysates with HSP90AA1/HSP90AB1 recombinant monoclonal antibody, clone R08-8A1 (Cat # RAB02194).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human HSP90AA1/HSP90AB1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human HSP90AA1/HSP90 AB1.
Theoretical MW (kDa)	Calculated MW: 85 kD
Reactivity	Human, Mouse, Rat

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Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Immunohistochemistry (1:50-1:100) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
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 staining (Formalin-fixed paraffin-embedded sections) of human tonsil with HSP90AA1/HSP90AB1 recombinant monoclonal antibody, clone R08-8A1 (Cat # RAB02194). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Western Blot

  Western Blot analysis of Lane 1: rat brain, Lane 2: C6, Lane 3: 3T3 and Lane 4: Hela lysates with HSP90AA1/HSP90AB1 recombinant monoclonal antibody, clone R08-8A1 (Cat # RAB02194).

Gene Info — HSP90AA1

Entrez GeneID	3320
Protein Accession#	P07900;P08238

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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

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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

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