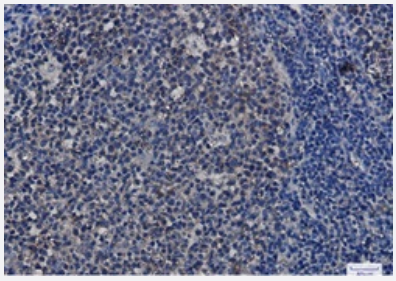
RecomAb™

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

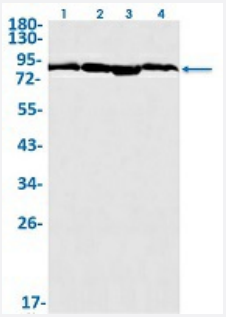
Catalog # RAB02194 Size 100 uL

## 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 |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (CHO) expression system |
| **Purification** | Affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunofluorescence(1:50-1:200)<br>Immunohistochemistry (1:50-1:100)<br>Immunoprecipitation(1:20)<br>Western Blot (1:500-1:1000)<br>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.<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 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 |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **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 |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

## 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.