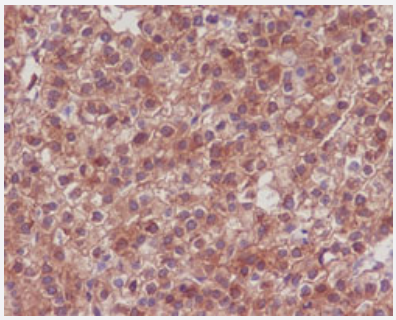
# HSP90AA1/HSP90AB1 monoclonal antibody, clone EBD-8

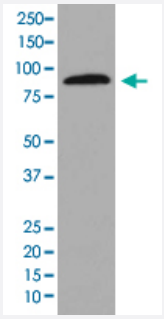
Catalog # MAB20342 Size 100 uL

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver carcinoma with HSP90AA1/HSP90AB1 monoclonal antibody, clone EBD-8 (Cat # MAB20342).




### Western Blot (Cell lysate)

Western Blot analysis of HEK-293 cell lysate with HSP90AA1/HSP90AB1 monoclonal antibody, clone EBD-8 (Cat # MAB20342).

## Specification

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|---|---|
| **Product Description** | Rabbit monoclonal antibody raised against synthetic peptide of human HSP90AA1/HSP90AB1. |
| **Immunogen** | A synthetic peptide corresponding to human HSP90AA1/HSP90AB1. |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Affinity purification |
| **Isotype** | IgG |

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|---|---|
| **Recommend Usage** | Flow Cytometry<br>Immunocytochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200)<br>Immunoprecipitation (1:50)<br>Western Blot (1:5000-1:10000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide). |
| **Storage Instruction** | Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. 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 liver carcinoma with HSP90AA1/HSP90AB1 monoclonal antibody, clone EBD-8 (Cat # MAB20342).

- Immunofluorescence
- Immunocytochemistry
- Flow Cytometry
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western Blot analysis of HEK-293 cell lysate with HSP90AA1/HSP90AB1 monoclonal antibody, clone EBD-8 (Cat # MAB20342).

## Gene Info — HSP90AA1

| | |
|---|---|
| **Entrez GeneID** | 3320 |
| **Protein Accession#** | P07900;P08238 |
| **Gene Name** | HSP90AA1 |

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