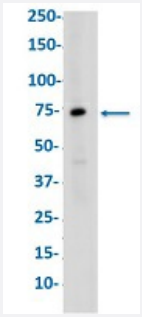
RecomAb™

# HSPA8 recombinant monoclonal antibody, clone R07-1B7

Catalog # RAB02203 Size 100 uL

## Applications




### Western Blot

Western Blot analysis of Hela lysates with HSPA8 recombinant monoclonal antibody, clone R07-1B7 (Cat # RAB02203).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human HSPA8. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human HSPA8. |
| **Theoretical MW (kDa)** | Calculated MW: 71 kD |
| **Reactivity** | Hamster, Human, Mouse, Rat |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (CHO) expression system |
| **Purification** | Affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | 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. |

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

- Immunoprecipitation
- Western Blot

  Western Blot analysis of Hela lysates with HSPA8 recombinant monoclonal antibody, clone R07-1B7 (Cat # RAB02203).

## Gene Info — HSPA8

| | |
|---|---|
| **Entrez GeneID** | 3312 |
| **Protein Accession#** | P11142 |
| **Gene Name** | HSPA8 |
| **Gene Alias** | HSC54, HSC70, HSC71, HSP71, HSP73, HSPA10, LAP1, MGC131511, MGC29929, NIP71 |
| **Gene Description** | heat shock 70kDa protein 8 |
| **Omim ID** | 600816 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The product encoded by this gene belongs to the heat shock protein 70 family which contains bot h heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. This gene encodes a heat-shock cognate protein. This protein binds to nascent polypept ides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coat ed vesicles during transport of membrane components through the cell. Two alternatively spliced v ariants have been characterized to date. [provided by RefSeq |
| **Other Designations** | LPS-associated protein 1\|N-myristoyltransferase inhibitor protein 71\|constitutive heat shock prote in 70\|heat shock 70kD protein 8\|heat shock 70kd protein 10\|heat shock cognate protein 54\|heat s hock cognate protein, 71-kDa\|lipopolysaccharide-associated pro |

## Pathway

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- Antigen processing and presentation
- Endocytosis
- MAPK signaling pathway

## Disease

- Alzheimer disease
- Aneurysm
- Aortic Aneurysm
- Asthma
- Carcinoma
- Cardiovascular Diseases
- Cognition
- Coronary Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hypertension
- Infant
- Kidney Failure
- Lung Neoplasms
- Metabolic Syndrome X
- Renal Insufficiency
- Werner syndrome

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