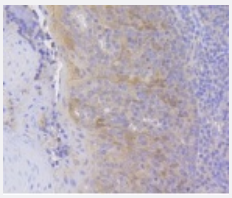
RecomAb™ Sm Size

HSPA8 recombinant monoclonal antibody

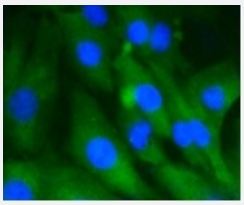
Catalog # RAB09350 Size 50 uL

Applications



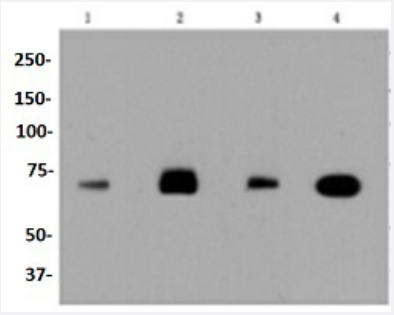
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using HSPA8 recombinant monoclonal antibody (Cat # RAB09350).Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of NIH/3T3 cells using HSPA8 recombinant monoclonal antibody (Cat # RAB09350)(green). The nuclear counter stain is DAPI (blue).Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.



Western Blot (Cell lysate)

Western blot analysis of Lane1:HepG2 whole cell lysate Lane2:Hela whole cell lysate Lane3:NIH/3T3 whole cell lysate Lane4:PC12 whole cell lysate with HSPA8 recombinant monoclonal antibody (Cat # RAB09350) at 1:1000 dilution.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against HSPA8.

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Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant HSPA8.
Theoretical MW (kDa)	71
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of HSC 70 and does not cross-react with related proteins.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
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)

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- Immunocytochemistry

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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 both 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 polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Two alternatively spliced variants have been characterized to date. [provided by RefSeq
Other Designations	LPS-associated protein 1|N-myristoyltransferase inhibitor protein 71|constitutive heat shock protein 70|heat shock 70kD protein 8|heat shock 70kd protein 10|heat shock cognate protein 54|heat shock cognate protein, 71-kDa|lipopolysaccharide-associated pro

Pathway

- Antigen processing and presentation
- Endocytosis
- MAPK signaling pathway

Disease

- Alzheimer disease
- Aneurysm
- Aortic Aneurysm
- Asthma
- Carcinoma

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- 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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