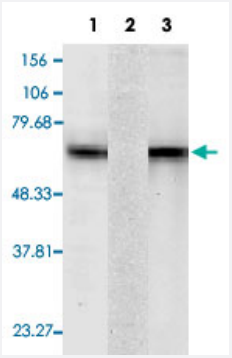
HSPA8 monoclonal antibody, clone 1F2-H5

Catalog # MAB6636 Size 200 ug

Applications



Western Blot

Western blot analysis of HSPA8 monoclonal antibody, clone 1F2-H5 (Cat # MAB6636).
Lane 1, human cell line mix.
Lane 2, recombinant rHsp70 protein.
Lane 3, recombinant rHsc70 protein.

Specification

Product Description	Mouse monoclonal antibody raised against HSPA8.
Immunogen	Human HSPA8.
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	Detects ~73KDa. Does not cross react with Hsp70.
Form	Liquid
Isotype	IgG2a, kappa
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- Western Blot

Western blot analysis of HSPA8 monoclonal antibody, clone 1F2-H5 (Cat # MAB6636).
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Lane 3, recombinant rHsc70 protein.

Gene Info — HSPA8

Entrez GeneID	3312
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

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Publication Reference

- Mitofusin 2 displays fusion-independent roles in proteostasis surveillance.

  Mariana Joaquim, Selver Altin, Maria-Bianca Bulimaga, Tania Simoes, Hendrik Nolte, Verian Bader, Camilla Aurora Franchino, Solenn Plouzennec, Karolina Szczepanowska, Elena Marchesan, Kay Hofmann, Marcus Kruger, Elena Ziviani, Aleksandra Trifunovic, Arnaud Chevrollier, Konstanze F Winklhofer, Elisa Motori, Margarete Odenthal, Mafalda Escobar-Henriques

  Nat Commun 2025 Feb; 16(1):1501.

- β-TrCP upregulates HIF-1 in prostate cancer cells.

  Cohen M, Amir S, Golan M, Ben-Neriah Y, Mabjeesh NJ.

  Prostate 2019 Mar; 79(4):403.

  Application: IP, WB, Human, PC-3, LNCaP cells

- Molecular chaperones and the centrosome. A role for HSP 73 in centrosomal repair following heat shock treatment.

  Brown CR, Hong-Brown LQ, Doxsey SJ, Welch WJ.

  The Journal of Biological Chemistry 1996 Jan; 271(2):833.

  Application: Func, IF, Monkey, COS cells

- Uncoating protein (hsc70) binds a conformationally labile domain of clathrin light chain LCa to stimulate ATP hydrolysis.

  DeLuca-Flaherty C, McKay DB, Parham P, Hill BL.

  Cell 1990 Sep; 62(5):875.

- Polypeptide chain binding proteins: catalysts of protein folding and related processes in cells.

  Rothman JE.

  Cell 1989 Nov; 59(4):591.

Pathway

- Antigen processing and presentation
- Endocytosis
- MAPK signaling pathway

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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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