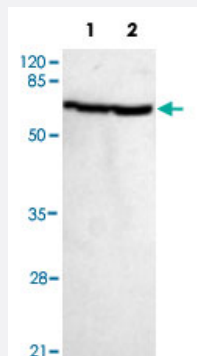


HSPA1A monoclonal antibody

Catalog # MAB8734

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HSPA1A monoclonal antibody (Cat # MAB8734) at 1 : 500 dilution. Lane 1 : K-562 whole cell lysate 40 ug/Lane. Lane 2 : HeLa whole cell lysate 40 ug/Lane. Predicted band size : 70 KDa. Observed band size : 70 KDa.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant HSPA1A.
Immunogen	Recombinant protein corresponding to C-terminus residues of human HSPA1A.
Host	Mouse
Reactivity	Human
Specificity	This antibody is specific to HSPA1A.
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:100-1:2000) ELISA (1:5000-1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

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

Applications

- Western Blot (Cell lysate)

Western blot analysis of HSPA1A monoclonal antibody (Cat # MAB8734) at 1 : 500 dilution. Lane 1 : K-562 whole cell lysate 40 ug/Lane. Lane 2 : HeLa whole cell lysate 40 ug/Lane. Predicted band size : 70 KDa. Observed band size : 70 KDa.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — HSPA1A

Entrez GeneID	3303
GeneBank Accession#	NM_005345.5
Gene Name	HSPA1A
Gene Alias	FLJ54303, FLJ54370, FLJ54392, FLJ54408, FLJ75127, HSP70-1, HSP70-1A, HSP70I, HSP72, HSPA1, HSPA1B
Gene Description	heat shock 70kDa protein 1A
Omim ID	140550
Gene Ontology	Hyperlink
Gene Summary	This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins. [provided by RefSeq]
Other Designations	OTTHUMP00000029287 dnaK-type molecular chaperone HSP70-1 heat shock 70kD protein 1A heat shock 70kDa protein 1B heat shock-induced protein

Pathway

- [Antigen processing and presentation](#)

- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [Prion diseases](#)

Disease

- [Abortion](#)
- [Altitude Sickness](#)
- [Alzheimer disease](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Accident](#)
- [Cognition](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Disease](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Drug Hypersensitivity](#)
- [Duodenal Ulcer](#)
- [Edema](#)
- [Epidermal Necrolysis](#)

- [Exanthema](#)
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- [Genetic Predisposition to Disease](#)
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- [Hypertension](#)
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- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Musculoskeletal Diseases](#)
- [Neoplasms](#)
- [Obesity](#)
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- [Shock](#)
- [Skin Diseases](#)
- [Spondylarthropathies](#)
- [Spondylitis](#)
- [Stevens-Johnson Syndrome](#)
- [Stomach Neoplasms](#)
- [Stress](#)
- [Stroke](#)
- [Tuberculosis](#)
- [Uveitis](#)