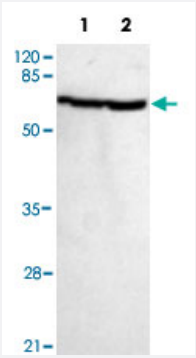
HSPA1A monoclonal antibody

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.

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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

- Enzyme-linked Immunoabsorbent Assay
- 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.

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 pr otein 70 family. In conjuction with other heat shock proteins, this protein stabilizes existing protein s against aggregation and mediates the folding of newly translated proteins in the cytosol and in o rganelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-ri ch element RNA-binding protein 1. The gene is located in the major histocompatibility complex cl ass 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

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- 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

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- Exanthema
- Fetal Diseases
- Genetic Predisposition to Disease
- Glaucoma
- Hearing
- Hearing Loss
- Helicobacter Infections
- Hypertension
- Infection
- Inflammation
- Kidney Failure
- Leprosy
- Lupus Erythematosus
- Meniere Disease
- Metabolic Syndrome X
- Multiple Sclerosis
- Musculoskeletal Diseases
- Neoplasms
- Obesity
- Optic Nerve Diseases
- Osteoporosis
- Parkinson disease
- Precancerous Conditions
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth

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- Psychiatric Status Rating Scales
- Psychometrics
- Pulmonary Disease
- Pulmonary Edema
- Recurrence
- Sarcoidosis
- Schizophrenia
- Shock
- Skin Diseases
- Spondylarthropathies
- Spondylitis
- Stevens-Johnson Syndrome
- Stomach Neoplasms
- Stress
- Stroke
- Tuberculosis
- Uveitis

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