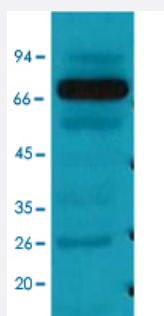


HSP70 monoclonal antibody, clone 3G10

Catalog # MAB15248

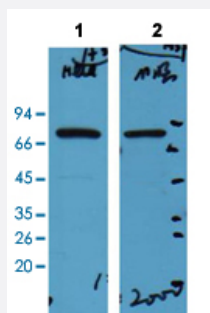
Size 100 uL

Applications



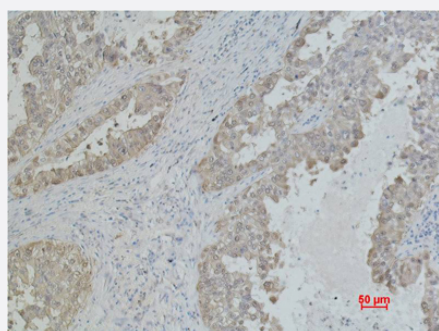
Western Blot (Cell lysate)

Western Blot analysis of pig skeletal muscle.



Western Blot

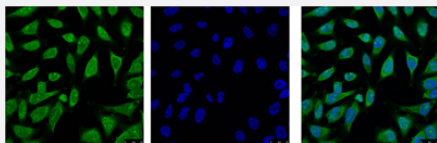
Western Blot analysis of Line 1: HeLa cell and Line 2: mouse brain tissue.



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung carcinoma.

Immunofluorescence



Immunofluorescence staining of HeLa cell line with antibody (Left), DAPI (Middle) and merge (Right).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human HSP70.
Immunogen	A synthetic peptide corresponding to N-terminus of human HSP70.
Host	Mouse
Reactivity	Human, Mouse, Pig
Form	Liquid
Purification	Affinity purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Immunofluorescence (1:100-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 0.5% BSA, 0.02% sodium azide).
Storage Instruction	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 pig skeletal muscle.

- Western Blot

Western Blot analysis of Line 1: HeLa cell and Line 2: mouse brain tissue.

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung carcinoma.

- Immunofluorescence

Immunofluorescence staining of HeLa cell line with antibody (Left), DAPI (Middle) and merge (Right).

Gene Info — HSPA1A

Entrez GeneID	3303
Protein Accession#	P34931
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

Gene Info — HSPA1B

Entrez GeneID	3304
Protein Accession#	P34931
Gene Name	HSPA1B

Gene Alias	FLJ54328, HSP70-1B, HSP70-2, HSPA1A
Gene Description	heat shock 70kDa protein 1B
Omim ID	603012
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	OTTHUMP00000029288 heat shock 70kD protein 1B heat shock 70kDa protein 1A

Gene Info — HSPA1L

Entrez GeneID	3305
Protein Accession#	P34931
Gene Name	HSPA1L
Gene Alias	HSP70-1L, HSP70-HOM, HSP70T, hum70t
Gene Description	heat shock 70kDa protein 1-like
Omim ID	140559
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a 70kDa heat shock protein. 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. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which also encode isoforms of the 70kDa heat shock protein. [provided by RefSeq]
Other Designations	OTTHUMP00000029295 heat shock 10kDa protein 1-like heat shock 70kD protein-like 1

Pathway

- [Antigen processing and presentation](#)
- [Antigen processing and presentation](#)

- [Antigen processing and presentation](#)
- [Endocytosis](#)
- [Endocytosis](#)
- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [MAPK signaling pathway](#)
- [MAPK signaling pathway](#)
- [Prion diseases](#)

Disease

- [Abortion](#)
- [Abortion](#)
- [Abortion](#)
- [Acute Disease](#)
- [Acute Disease](#)
- [AIDS-Related Opportunistic Infections](#)
- [Altitude Sickness](#)
- [Altitude Sickness](#)
- [Altitude Sickness](#)
- [Alzheimer disease](#)
- [Alzheimer disease](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Atrial Fibrillation](#)
- [Autoimmune Diseases](#)
- [Body Weight](#)

- [Bone Resorption](#)
- [Brain Ischemia](#)
- [Brain Ischemia](#)
- [Brain Ischemia](#)
- [Carcinoma](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Accident](#)
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- [Cognition](#)
- [Cognition](#)
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- [Connective Tissue Diseases](#)
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- [Constriction](#)
- [Constriction](#)
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- [Coronary Disease](#)
- [Coronary Disease](#)

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- [Critical Illness](#)
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- [Crohn Disease](#)
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- [Cross Infection](#)
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- [Depressive Disorder](#)
- [Depressive Disorder](#)
- [Depressive Disorder](#)
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- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
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- [Diabetic Nephropathies](#)
- [Diabetic Nephropathies](#)
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- [Disease Progression](#)
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- [Duodenal Ulcer](#)

- [Duodenal Ulcer](#)
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- [Edema](#)
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- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
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- [Glaucoma](#)
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- [Helicobacter Infections](#)
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- [Hepatitis C](#)
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- [Hypertension](#)
- [Hypertension](#)
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- [Prostatic Neoplasms](#)
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- [Psychiatric Status Rating Scales](#)
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- [Shock](#)
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- [Skin Diseases](#)
- [Skin Diseases](#)
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- [Spondylarthropathies](#)
- [Spondylarthropathies](#)
- [Spondylitis](#)
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- [Stevens-Johnson Syndrome](#)
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- [Stomach Neoplasms](#)
- [Stomach Neoplasms](#)
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- [Stress](#)
- [Stroke](#)
- [Stroke](#)
- [Stroke](#)
- [Syndrome](#)

- [Systemic Inflammatory Response Syndrome](#)
- [Systemic Inflammatory Response Syndrome](#)
- [Thyroiditis](#)
- [Thyroiditis](#)
- [Tuberculosis](#)
- [Urinary Tract Infections](#)
- [Uveitis](#)
- [Uveitis](#)
- [Ventricular Dysfunction](#)