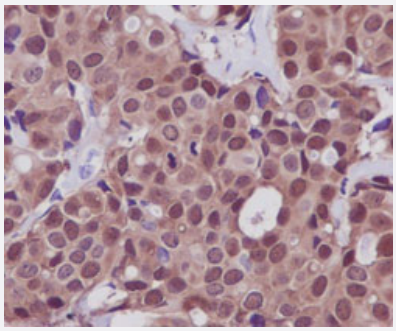
HSPA1A monoclonal antibody, clone DGE-8

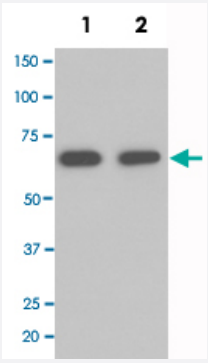
Catalog # MAB20340 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast with HSPA1A monoclonal antibody, clone DGE-8 (Cat # MAB20340).



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: K562 and Lane 2: 293T cell lysates with HSPA1A monoclonal antibody, clone DGE-8 (Cat # MAB20340).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human HSPA1A.
Immunogen	A synthetic peptide corresponding to human HSPA1A.
Host	Rabbit
Theoretical MW (kDa)	70.052
Reactivity	Human
Form	Liquid

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Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:100) Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100-1:500) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
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)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast with HSPA1A monoclonal antibody, clone DGE-8 (Cat # MAB20340).

- Immunofluorescence
- Immunocytochemistry
- Flow Cytometry
- Western Blot (Cell lysate)

  Western Blot analysis of Lane 1: K562 and Lane 2: 293T cell lysates with HSPA1A monoclonal antibody, clone DGE-8 (Cat # MAB20340).

Gene Info — HSPA1A

Entrez GeneID	3303
Protein Accession#	P0DMV8
Gene Name	HSPA1A

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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 conjuction 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

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- Constriction
- Coronary Disease
- Dementia
- Depressive Disorder
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Progression
- Drug Hypersensitivity
- Duodenal Ulcer
- Edema
- Epidermal Necrolysis
- Exanthema
- Fetal Diseases
- Genetic Predisposition to Disease
- Glaucoma
- Hearing
- Hearing Loss
- Helicobacter Infections
- Hypertension
- Infection
- Inflammation
- Kidney Failure
- Leprosy
- Lupus Erythematosus
- Meniere Disease

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- Metabolic Syndrome X
- Multiple Sclerosis
- Musculoskeletal Diseases
- Neoplasms
- Obesity
- Optic Nerve Diseases
- Osteoporosis
- Parkinson disease
- Precancerous Conditions
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Psychiatric Status Rating Scales
- Psychometrics
- Pulmonary Disease
- Pulmonary Edema
- Recurrence
- Sarcoidosis
- Schizophrenia
- Shock
- Skin Diseases
- Spondylarthropathies
- Spondylitis
- Stevens-Johnson Syndrome
- Stomach Neoplasms
- Stress

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- Stroke
- Tuberculosis
- Uveitis

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