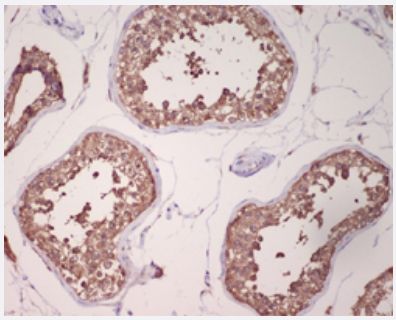
HSPA5 monoclonal antibody, clone AII-8

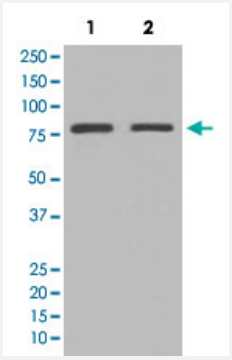
Catalog # MAB20109 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human testis with HSPA5 monoclonal antibody, clone AII-8 (Cat # MAB20109).



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: HeLa and Lane 2: C6 cell lysates with HSPA5 monoclonal antibody, clone AII-8 (Cat # MAB20109).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human HSPA5.
Immunogen	A synthetic peptide corresponding to human HSPA5.
Host	Rabbit
Theoretical MW (kDa)	72.333
Reactivity	Human
Form	Liquid

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Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) 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 testis with HSPA5 monoclonal antibody, clone All-8 (Cat # MAB20109).

- Western Blot (Cell lysate)

  Western Blot analysis of Lane 1: HeLa and Lane 2: C6 cell lysates with HSPA5 monoclonal antibody, clone All-8 (Cat # MAB20109).

Gene Info — HSPA5

Entrez GeneID	3309
Protein Accession#	P11021
Gene Name	HSPA5
Gene Alias	BIP, FLJ26106, GRP78, MIF2
Gene Description	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
Omim ID	138120
Gene Ontology	Hyperlink

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Gene Summary	When Chinese hamster K12 cells are starved of glucose, the synthesis of several proteins, called glucose-regulated proteins (GRPs), is markedly increased. Hendershot et al. (1994) [PubMed 8020977] pointed out that one of these, GRP78 (HSPA5), also referred to as 'immunoglobulin heavy chain-binding protein' (BiP), is a member of the heat-shock protein-70 (HSP70) family and is involved in the folding and assembly of proteins in the endoplasmic reticulum (ER). Because so many ER proteins interact transiently with GRP78, it may play a key role in monitoring protein transport through the cell.[supplied by OMIM
Other Designations	Heat-shock 70kD protein-5 (glucose-regulated protein, 78kD)|OTTHUMP00000022124|heat shock 70kD protein 5 (glucose-regulated protein, 78kD)|heat shock 70kDa protein 5

Pathway

- Antigen processing and presentation
- Prion diseases

Disease

- Alzheimer disease
- Bipolar Disorder
- Carcinoma
- Cognition
- Disease Susceptibility
- Genetic Predisposition to Disease
- Hepatitis B
- Infection
- Kidney Failure
- Liver Neoplasms
- Parkinson disease
- Schizophrenia
- Stress

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