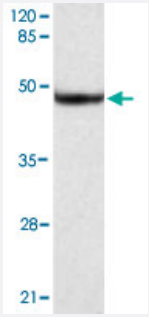
HSPA5 monoclonal antibody

Catalog # MAB8736 Size 100 ug

Applications



Western Blot (Recombinant protein)

Western blot analysis of HSPA5 monoclonal antibody (Cat # MAB8736) at 1 : 2000 dilution interacts with recombinant HSPA5 protein with a DsbA tag. Predicted band size : 48 KDa. Observed band size : 48 KDa.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant HSPA5.
Immunogen	Recombinant protein corresponding to C-terminus residues of human HSPA5.
Host	Mouse
Reactivity	Human
Specificity	This antibody is specific to HSPA5.
Form	Liquid
Purification	Protein G purification
Concentration	1 mg/mL
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)

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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 shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)

  Western blot analysis of HSPA5 monoclonal antibody (Cat # MAB8736) at 1 : 2000 dilution interacts with recombinant HSPA5 protein with a DsbA tag. Predicted band size : 48 KDa. Observed band size : 48 KDa.

Gene Info — HSPA5

Entrez GeneID	3309
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
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 80 20977] 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 invol ved 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 t hrough the cell.[supplied by OMIM
Other Designations	Heat-shock 70kD protein-5 (glucose-regulated protein, 78kD)|OTTHUMP00000022124|heat sho ck 70kD protein 5 (glucose-regulated protein, 78kD)|heat shock 70kDa protein 5

Publication Reference

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- Radioprotective effects of genistein on HL-7702 cells via the inhibition of apoptosis and DNA damage.

  Song L, Ma L, Cong F, Shen X, Jing P, Ying X, Zhou H, Jiang J, Yan H.

  Cancer Letters 2015 Sep; 366(1):100.

  Application: WB, Human, Embryo liver L-02 cells

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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