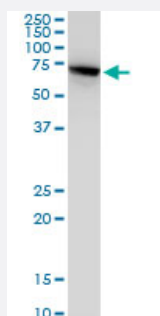


HSPA2 monoclonal antibody (M06), clone S51

Catalog # H00003306-M06

Size 100 ug

Applications



Western Blot (Cell lysate)

HSPA2 monoclonal antibody (M06), clone S51. Western Blot analysis of HSPA2 expression in HeLa (Cat # L013V1).

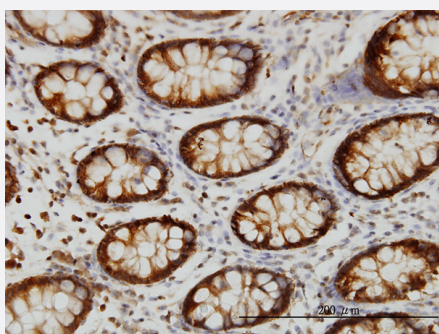
Western Blot (Cell lysate)

HSPA2 monoclonal antibody (M06), clone S51. Western Blot analysis of HSPA2 expression in different cell lines.



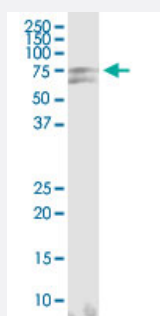
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to HSPA2 on formalin-fixed paraffin-embedded human colon. [antibody concentration 1 ug/ml]

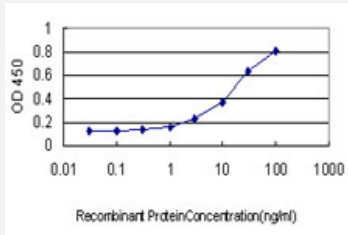


Immunoprecipitation

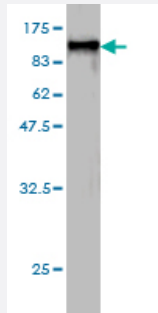
Immunoprecipitation of HSPA2 transfected lysate using anti-HSPA2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with HSPA2 MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged HSPA2 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (96.03 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant HSPA2.

Immunogen

HSPA2 (AAH01752, 1 a.a. ~ 639 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MSARGPAIGIDLGTYSYSCVGVFQHGKVEIANDQGNRTTPSYVAFTDTERLIGDAAKNQVAMNPTNT
IFDAKRLIGRKFGDATVQSDMKHWPFRVSEGGKPKVQVEYKGETKTFFPEEISSMVLTKMKEIA
EAYLGGKVHSAVITVPAYFNDSQRQATKDAGTITGLNVLRIINEPTAAAIAAYGLDKKGCAGGEKNVLI
FDLGGGTDFDVSILTIEDGIFEVKSTAGDTHLGGEDFDNRMVSHLAEFVKRKHKKDIGPNKRAVRRL
RTACERAKRTLSSSTQASIEIDSLYEGVDFYTSITARFEELNADLFRGTLEPVEKALRDAKLDKGQ
IQEIMLVGGSTRIPKIQKLLQDFFNGKELNKSINPDEAVAYGAQAAAILIGDKSENVQDLLLDVTPL
SLGIETAGGVMTPLIKRNTTIPTKQTQFTTYSQDNQSSVLVQVYEGERAMTKDNNLLGKFDLTGIPP
APRGVPQIEVTFDIDANGILNVTAADKSTGKENKITITNDKGRLSKDDIDRMVQEAEYKSEDEANR
DRVAAKNALESYTYNIKQTVDEKLRGKISEQDKNKILDKCQEVINWLDNRNQMAEKDEYEHKQKE
LERVCNPIISKLYQGGPGGGSGGGSGASGGPTIEVD

Host

Mouse

Reactivity

Human

Isotype

IgG

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (96.03 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

HSPA2 monoclonal antibody (M06), clone S51. Western Blot analysis of HSPA2 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

HSPA2 monoclonal antibody (M06), clone S51. Western Blot analysis of HSPA2 expression in different cell lines.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to HSPA2 on formalin-fixed paraffin-embedded human colon. [antibody concentration 1 ug/ml]

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- Immunoprecipitation

Immunoprecipitation of HSPA2 transfected lysate using anti-HSPA2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with HSPA2 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HSPA2 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — HSPA2

Entrez GeneID

[3306](#)

GeneBank Accession#

[BC001752](#)

Protein Accession#	AAH01752
Gene Name	HSPA2
Gene Alias	HSP70-2, HSP70-3
Gene Description	heat shock 70kDa protein 2
Omim ID	140560
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000180664 heat shock 70kD protein 2

Publication Reference

- [Bat3 deficiency accelerates the degradation of Hsp70-2/HspA2 during spermatogenesis.](#)

Sasaki T, Marcon E, McQuire T, Arai Y, Moens PB, Okada H.

Journal of Cellular Biology 2008 Aug; 182(3):449.

Application: IF, IHC-P, Mouse, Mouse testis

Pathway

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

Disease

- [Alzheimer disease](#)
- [Bone Resorption](#)
- [Cognition](#)
- [Colitis](#)
- [Community-Acquired Infections](#)
- [Crohn Disease](#)

- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Helicobacter Infections](#)
- [Inflammatory Bowel Diseases](#)
- [Intestinal Diseases](#)
- [Leishmaniasis](#)
- [Lupus Erythematosus](#)
- [Metaplasia](#)
- [Osteoporosis](#)
- [Pancreatitis](#)
- [Pneumonia](#)
- [Precancerous Conditions](#)
- [Shock](#)
- [Spondylitis](#)