

HSPA2 monoclonal antibody (M06), clone S51

Catalog # H00003306-M06

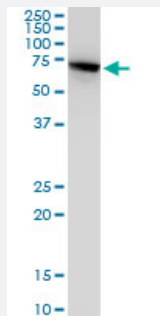
Size 100 ug

Applications



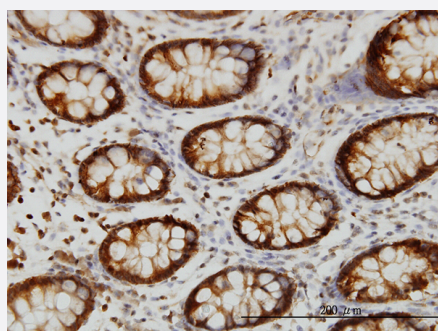
Western Blot (Cell lysate)

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



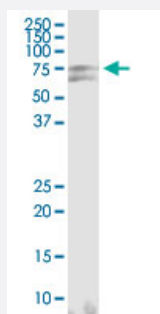
Western Blot (Cell lysate)

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



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

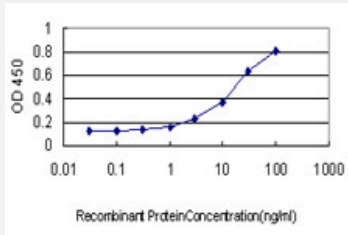
Immunoperoxidase of monoclonal antibody to HSPA2 on formalin-fixed paraffin-embedded human colon. [antibody concentration 1 ug/ml]



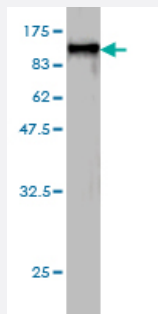
Immunoprecipitation

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	MSARGPAIGDLGTTYSCVGVFQHGKVEIANDQGNRTTPSYAFTDTERLIGDAAKNQVAMNPTNT IFDAKRLIGRKFGDATVQSDMKHWPFRVVSEGGKPKVQVEYKGETKTFFPEEISSMVLTKMKEIA EAYLGGKVHSAVITVPAYFNDSQRQATKDAGTITGLNVLRIINEPTAAAIAYGLDKKGCAGGEKNVLI FDLGGGTDFDVSILTIEDGIFEVKSTAGDTHLGGEDFDNRMVSHLAEFVKRKHKKDIGPNKRAVRRL RTACERAKRTLSSSTQASIEIDSLYEGVDFYTSITARFEELNADLFRGTLEPVEKALRDAKLDKGQ IQEIMLVGGSTRIPKIQKLLQDFFNGKELNKSINPDEAVAYGAQAAAILIGDKSENVQDLLLDVTPL SLGIETAGGVMTPLIKRNTTIPTKQTQFTTYSNDQSSVLVQVYEGERAMTKDNNLLGKFDLTGIPP 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 different cell lines.

[Protocol Download](#)

- Western Blot (Cell lysate)

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

[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]

[Protocol Download](#)

- Immunoprecipitation

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[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](#)