

# HSPA2 monoclonal antibody (M06), clone S51

Catalog # H00003306-M06

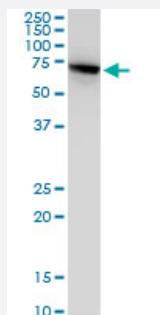
Size 100 ug

## Applications



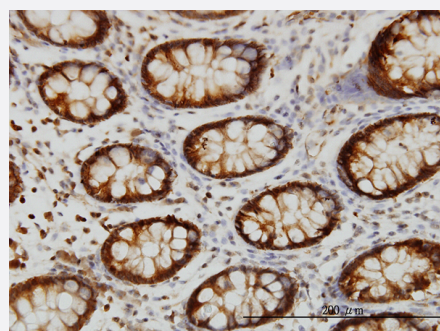
### Western Blot (Cell lysate)

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



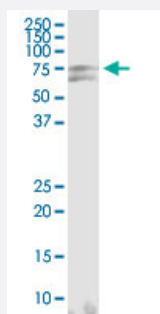
### Western Blot (Cell lysate)

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



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

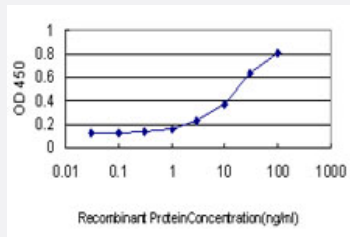
Immunoperoxidase of monoclonal antibody to HSPA2 on formalin-fixed paraffin-embedded human colon. [antibody concentration 1 ug/ml]



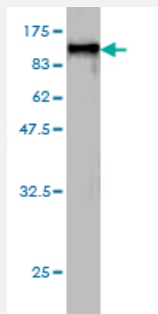
### Immunoprecipitation

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

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Mouse monoclonal antibody raised against a full length recombinant HSPA2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen</b>               | HSPA2 (AAH01752, 1 a.a. ~ 639 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Sequence</b>                | <p>MSARGPAIGDLGTTYSCVGVFQHGKVEIANDQGNRTTPSYAFTDTERLIGDAAKNQVAMNPTNT</p> <p>IFDAKRLIGRKFGDATVQSDMKHWPFRVVSEGGKPKVQVEYKGETKTFFPEEISSMVLTKMKEIA</p> <p>EAYLGGKVHSAVITVPAYFNDSQRQATKDAGTITGLNVLRIINEPTAAAIAAYGLDKKGCAGGEKNVLI</p> <p>FDLGGGTDFDVSILTIEDGIFEVKSTAGDTHLGGEDFDNRMVSHLAEFVKRKHKKDIGPNKRAVRRL</p> <p>RTACERAKRTLSSSTQASIEIDSLYEGVDFYTSITARFEELNADLFRGTLEPVEKALRDAKLDKGQ</p> <p>IQEIMLVGGSTRIPKIQKLLQDFFNGKELNKSINPDEAVAYGAAVQAAIIGDKSENVQDLLLDVTPL</p> <p>SLGIETAGGVMTPLIKRNTTIPTKQTQFTTYSNDQSSVLVQVYEGERAMTKDNNLLGKFDLTGIPP</p> <p>APRGVPQIEVTFDIDANGILNVTAADKSTGKENKITITNDKGRLSKDDIDRMVQEAEYKSEDEANR</p> <p>DRVAAKNALESYTYNIKQTVDEKLRGKISEQDKNKILDKCQEVINWLDNRNQMAEKDEYEHKQKE</p> <p>LERVCNPIISKLYQGGPGGGSGGGGSGASGGPTIEVD</p> |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Quality Control Testing</b> | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (96.03 KDa) .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Storage Instruction

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

## Applications

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[Protocol Download](#)

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- ELISA

## Gene Info — HSPA2

Entrez GeneID

[3306](#)

GeneBank Accession#

[BC001752](#)

|                    |                                              |
|--------------------|----------------------------------------------|
| Protein Accession# | <a href="#">AAH01752</a>                     |
| Gene Name          | HSPA2                                        |
| Gene Alias         | HSP70-2, HSP70-3                             |
| Gene Description   | heat shock 70kDa protein 2                   |
| Omim ID            | <a href="#">140560</a>                       |
| Gene Ontology      | <a href="#">Hyperlink</a>                    |
| 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](#)