

## HMGB1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant HMGB1.

Catalog # AT2384a

### Specification

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#### HMGB1 Antibody (monoclonal) (M02) - Product Information

Application	IF, WB, IHC
Primary Accession	<a href="#">P09429</a>
Other Accession	<a href="#">BC003378</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	24894

#### HMGB1 Antibody (monoclonal) (M02) - Additional Information

**Gene ID** 3146

#### Other Names

High mobility group protein B1, High mobility group protein 1, HMG-1, HMGB1, HMG1

#### Target/Specificity

HMGB1 (AAH03378.1, 1 a.a. ~ 215 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

#### Dilution

WB ~ ~ 1:500 ~ 1000

#### Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

#### Storage

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

#### Precautions

HMGB1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

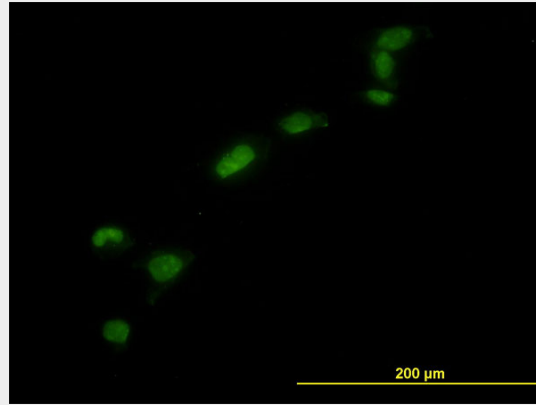
#### HMGB1 Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

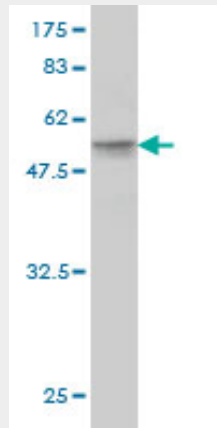
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

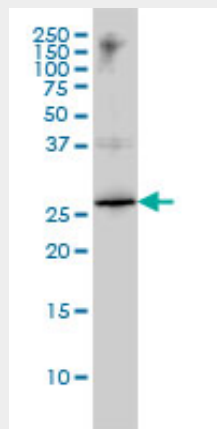
### HMGB1 Antibody (monoclonal) (M02) - Images



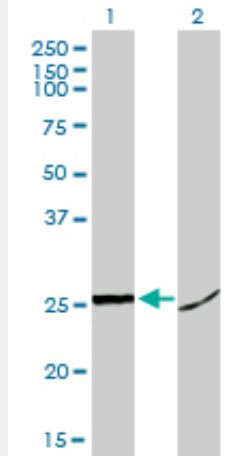
Immunofluorescence of monoclonal antibody to HMGB1 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (49.39 KDa) .



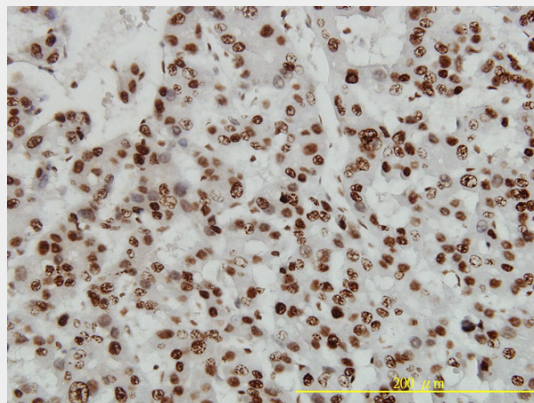
HMGB1 monoclonal antibody (M02), clone 1D5 Western Blot analysis of HMGB1 expression in K-562 ( (Cat # AT2384a )



Western Blot analysis of HMGB1 expression in transfected 293T cell line by HMGB1 monoclonal antibody (M02), clone 1D5.

Lane 1: HMGB1 transfected lysate(24.9 KDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to HMGB1 on formalin-fixed paraffin-embedded human hepatocellular carcinoma tissue. [antibody concentration 3 ug/ml]

### HMGB1 Antibody (monoclonal) (M02) - References

1. TLR4, IL-6, IL-18, MyD88 and HMGB1 are highly expressed in intracranial inflammatory lesions and the IgG4/IgG ratio correlates with TLR4 and IL-6. Hirano H, Yoshioka T, Yunoue S, Fujio S, Yonezawa H, Niino T, Habu M, Oyoshi T, Sugata S, Kamezawa T, Arimura H, Hanaya R, Tokimura H, Tokudome M, Arita K. *Neuropathology*. 2012 Mar 13. doi: 10.1111/j.1440-1789.2012.01310.x. [Epub ahead of print]
2. Human IgG antibody profiles differentiate between symptomatic patients with and without colorectal cancer. Kijanka G, Hector S, Kay EW, Murray F, Cummins R, Murphy D, Macraith BD, Prehn JH, Kenny D. *Gut*. 2010 Jan;59(1):69-78.
3. Donor Toll-like receptor 4 contributes to ischemia and reperfusion injury following human kidney transplantation. Kruger B, Krick S, Dhillon N, Lerner SM, Ames S, Bromberg JS, Lin M, Walsh L, Vella J, Fischereder M, Kramer BK, Colvin RB, Heeger PS, Murphy BT, Schroppel B. *Proc Natl Acad Sci U S A*. 2009 Mar 3;106(9):3390-5. Epub 2009 Feb 13.