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HMGB1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant HMGB1.
Catalog # AT2384a

Specification

HMGB1 Antibody (monoclonal) (M02) - Product Information

Application	**IF, WB, IHC**
Primary Accession	P09429
Other Accession	BC003378
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

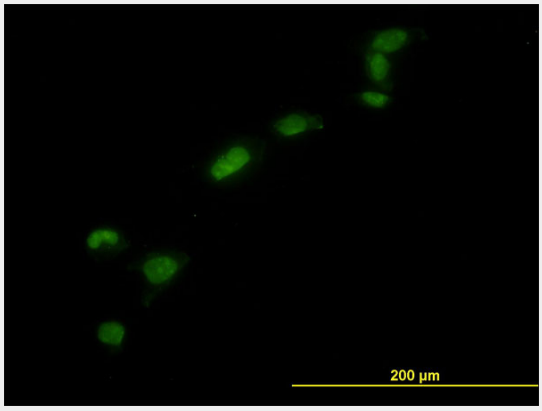
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

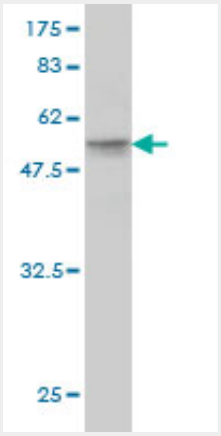
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

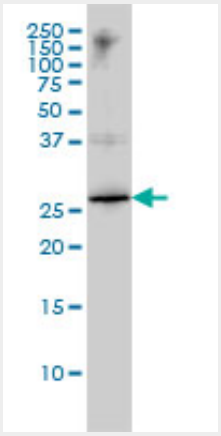
HMGB1 Antibody (monoclonal) (M02) - Images



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

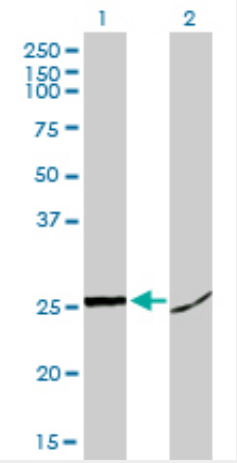


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (49.39 KDa) .



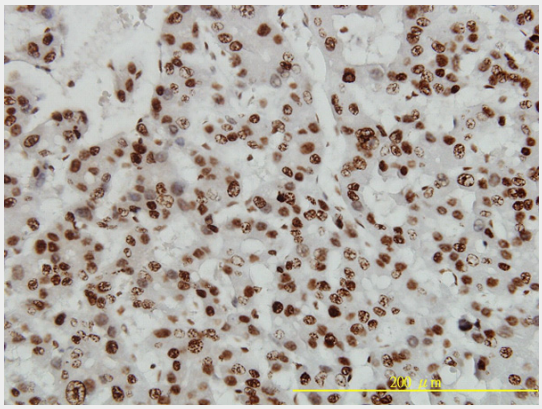
HMGB1 monoclonal antibody (M02), clone 1D5 Western Blot analysis of HMGB1 expression in K-562 ((Cat # AT2384a)

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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, Niiro 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, Maccraith 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.