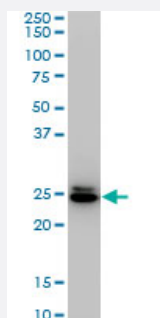


# HMGB2 monoclonal antibody (M02), clone 4G7

Catalog # H00003148-M02

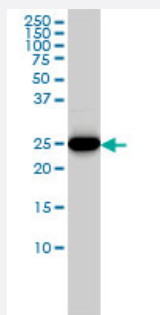
Size 100 ug

## Applications



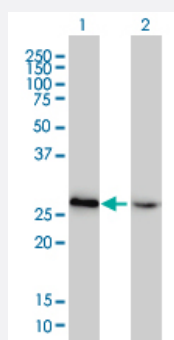
### Western Blot (Cell lysate)

HMGB2 monoclonal antibody (M02), clone 4G7. Western Blot analysis of HMGB2 expression in Hela S3 NE ( Cat # L013V3 ).



### Western Blot (Cell lysate)

HMGB2 monoclonal antibody (M02), clone 4G7 Western Blot analysis of HMGB2 expression in K-562 ( Cat # L009V1 ).



### Western Blot (Transfected lysate)

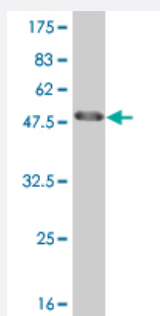
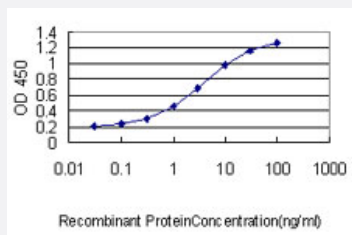
Western Blot analysis of HMGB2 expression in transfected 293T cell line by HMGB2 monoclonal antibody (M02), clone 4G7.

Lane 1: HMGB2 transfected lysate(22 KDa).

Lane 2: Non-transfected lysate.

## Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HMGB2 is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (47.19 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a full length recombinant HMGB2.
<b>Immunogen</b>	HMGB2 (AAH00903.2, 1 a.a. ~ 195 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MGKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNFAEFSKKCSERWKTMSAKEKSKFED MAKSDKARYDREMKNYVPPKGDKKGKKKDPNAPKRPPSAFFLCSEHRPKIKSEHPGLSIGDTA KKLGEMWSEQSAKDKQPYEQKAAKLKEKYEKDIAAYRAKGKSEAGKKGPGRPTGSKKKNEPED EEEEEE
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (98)
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (47.19 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

HMGB2 monoclonal antibody (M02), clone 4G7. Western Blot analysis of HMGB2 expression in Hela S3 NE ( Cat # L013V3 ).

[Protocol Download](#)

- Western Blot (Cell lysate)

HMGB2 monoclonal antibody (M02), clone 4G7 Western Blot analysis of HMGB2 expression in K-562 ( Cat # L009V1 ).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of HMGB2 expression in transfected 293T cell line by HMGB2 monoclonal antibody (M02), clone 4G7.

Lane 1: HMGB2 transfected lysate(22 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HMGB2 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — HMGB2

Entrez GeneID	<a href="#">3148</a>
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GeneBank Accession#	<a href="#">BC000903</a>
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Protein Accession#	<a href="#">AAH00903.2</a>
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Gene Name	HMGB2
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Gene Alias	HMG2
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Gene Description	high-mobility group box 2
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Omim ID [163906](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

This gene encodes a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination. [provided by RefSeq]

**Other Designations** high-mobility group (nonhistone chromosomal) protein 2

## Disease

- [Azoospermia](#)
- [Infertility](#)
- [Oligospermia](#)