

## High-mobility group Protein B1 Antibody | anti-B1/HMGP1 antibody

High-mobility group Protein B1, Monoclonal Antibody, Mouse

|                              |                                                                |                                                                               |
|------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA76414</b> | REACTIVITY<br><b>Human, Mouse, Porcine, Multiple Mammalian</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry, Immunofluorescence</b> |
|------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

High-mobility group Protein B1; Monoclonal Antibody; Mouse; anti-B1/HMGP1 antibody

### PRODUCT SPECIFICATIONS

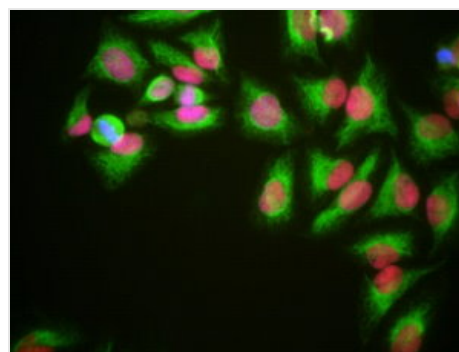
|                                                    |                                                                        |
|----------------------------------------------------|------------------------------------------------------------------------|
| Reactivity                                         | Human, Mouse, Porcine, Multiple Mammalian                              |
| Form/Format                                        | Affinity Purified - Liquid                                             |
| Sequence Length                                    | 215                                                                    |
| Applicable Applications for anti-B1/HMGP1 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence) |
| Type Info                                          | Mouse IgG                                                              |
| Immunogen                                          | Full length recombinant human HMGB1 protein                            |

### IMAGES



#### Application Data

Image: Blot of crude HeLa cell extract. HMGB1 runs at an apparent molecular weight of 25kDa. Protocol on Datasheet.



#### Application Data

Image: HeLa cells grown in tissue culture and stained with HMGB1 (red), Neuromics' chicken polyclonal antibody to Vimentin (Cat#CH22108) (green) and DNA (blue). The HMGB1 antibody reveals strong nuclear staining which overlaps with the DNA stain. Protocol on Datasheet.

### ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                     |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-B1/HMGP1 antibody | High-mobility group protein B1 or HMGB1 is among the most important chromatin proteins. In the nucleus HMGB1 interacts with nucleosomes, transcription factors and histones.[3] This nuclear protein organizes the DNA and regulates transcription. |
| Product Categories/Family for anti-B1/HMGP1 antibody   | <a href="#">High-mobility group protein B1/HMGP1</a>                                                                                                                                                                                                |

### NCBI AND UNIPROT INFORMATION

|           |         |
|-----------|---------|
| NCBI GI # | 4504425 |
|-----------|---------|

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GeneID                      | 3146                           |
| NCBI Accession #                 | NP_002119.1                    |
| NCBI GenBank Nucleotide #        | NM_002128.5                    |
| Molecular Weight                 | 24,894 Da                      |
| NCBI Official Full Name          | high mobility group protein B1 |
| NCBI Official Synonym Full Names | high mobility group box 1      |
| NCBI Official Symbol             | HMGB1                          |
| NCBI Official Synonym Symbols    | HMG1; HMG3; HMG-1; SBP-1       |
| NCBI Protein Information         | high mobility group protein B1 |
| UniProt Protein Name             | High mobility group protein B1 |
| UniProt Gene Name                | <b>HMGB1</b>                   |
| UniProt Synonym Gene Names       | HMG1; HMG-1                    |
| UniProt Entry Name               | HMGB1_HUMAN                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/b1-hmgb1-human-mammal-mammalian-mouse-porcine-antibody/high-mobility-group-protein-b1/76414>