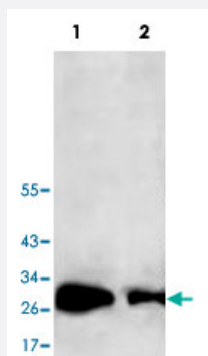


# HMGB1 polyclonal antibody

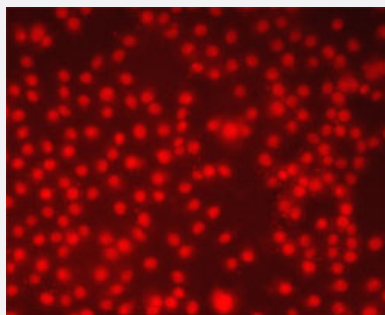
Catalog # PAB18868      Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of Lovo (Lane 1) and HeLa (Lane 2) cell lysate with HMGB1 polyclonal antibody (Cat # PAB18868) at 1 : 500 dilution.



### Immunofluorescence

Immunofluorescent staining of HeLa cells showing nuclear staining with HMGB1 polyclonal antibody (Cat # PAB18868) at 1 : 100 dilution.

## Specification

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Product Description | Rabbit polyclonal antibody raised against full length recombinant HMGB1. |
| Immunogen           | Recombinant protein corresponding to full length human HMGB1.            |
| Host                | Rabbit                                                                   |
| Reactivity          | Human, Mouse, Rat                                                        |
| Form                | Liquid                                                                   |

|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommend Usage</b>     | ELISA (1:10000-1:40000)<br>Western Blot (1:200-1:1000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In buffer containing 0.02% sodium azide                                                                                      |
| <b>Storage Instruction</b> | Store at 4°C for three months. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.      |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.       |

## Applications

- Western Blot (Cell lysate)

Western blot analysis of Lovo (Lane 1) and HeLa (Lane 2) cell lysate with HMGB1 polyclonal antibody (Cat # PAB18868) at 1 : 500 dilution.

- Immunofluorescence

Immunofluorescent staining of HeLa cells showing nuclear staining with HMGB1 polyclonal antibody (Cat # PAB18868) at 1 : 100 dilution.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — HMGB1

|                           |                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">3146</a>                                                                                                                                                                                         |
| <b>Protein Accession#</b> | <a href="#">NM_002128</a>                                                                                                                                                                                    |
| <b>Gene Name</b>          | HMGB1                                                                                                                                                                                                        |
| <b>Gene Alias</b>         | DKFZp686A04236, HMG1, HMG3, SBP-1                                                                                                                                                                            |
| <b>Gene Description</b>   | high-mobility group box 1                                                                                                                                                                                    |
| <b>Omim ID</b>            | <a href="#">163905</a>                                                                                                                                                                                       |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>                                                                                                                                                                                    |
| <b>Other Designations</b> | Amphoterin OTTHUMP00000018199 OTTHUMP00000190860 Sulfoglucuronyl carbohydrate binding protein high mobility group box 1 high mobility group protein 1 high-mobility group (nonhistone chromosomal) protein 1 |

## Publication Reference

- [Dual peptide-dendrimer conjugate inhibits acetylation of transforming growth factor  \$\beta\$ -induced protein and improves survival in sepsis.](#)

Wonhwa Lee, Eun Ji Park, Oh Kwang Kwon, Hyelim Kim, Youngbum Yoo, Shin-Woo Kim, Young-Kyo Seo, In-San Kim, Dong Hee Na, Jong-Sup Bae.

Biomaterials 2020 Jul; 246:120000.

Application: ELISA, Mouse, Mouse blood

- [Autophagy and mitochondrial remodelling in mouse mesenchymal stromal cells challenged with \*Staphylococcus epidermidis\*.](#)

Gorbunov NV, McDaniel DP, Zhai M, Liao PJ, Garrison BR, Kiang JG.

Journal of Cellular and Molecular Medicine 2015 May; 19(5):1133.

Application: IF, Mouse, Bone marrow mesenchymal stromal cells (BMSCs)

## Pathway

- [Base excision repair](#)

## Disease

- [Bone Marrow Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Hematologic Neoplasms](#)
- [Puerperal Disorders](#)
- [Recurrence](#)
- [Sepsis](#)
- [Streptococcal Infections](#)
- [Systemic Inflammatory Response Syndrome](#)