

## Anti-HMGB1 Rabbit Polyclonal Antibody

### Introduction

High mobility group (HMG) proteins 1 and 2 are ubiquitous non-histone components of chromatin. Evidence suggests that the binding of HMG proteins to DNA induces alterations in the DNA architecture including DNA bending and unwinding of the helix. HMG proteins synergize with Oct-2, members of the NFκB family, ATF-2 and c-Jun to activate transcription.

### Product parameters

|                    |   |
|--------------------|---|
| Alternative Names  | HMGB1; HMG1; High mobility group protein B1; High mobility group protein 1; HMG-1                 |
| Gene ID            | 3146  |
| Gene Name          | HMGB1   |
| SwissProt ID       | P09429  |
| Host               | Rabbit  |
| Reactivity         | Human, Mouse, Rat   |
| Molecular Weight   | Calculated MW: 25 kDa; Observed MW: 25 kDa  |
| Conjugation        | Unconjugated  |
| Ex                 | -   |
| Em                 | -   |
| Modification       | Unmodified  |
| Clonality          | IgG   |
| Isotype            | Polyclonal Antibody   |
| Clonality No.      | -   |
| Form               | Liquid  |
| Concentration      | See label   |
| Carrier            | Carrier Free  |
| Immunogen          | A synthesized peptide derived from human HMGB1  |
| Purification       | Affinity Chromatography   |
| Buffer System      | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Application        | WB, IHC-P, ICC/IF, FC   |
| Dilution Ratio     | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 FC: 1/50-1/100                                    |
| Research Field     | Epigenetics and Nuclear Signaling   |
| Product Categories | Primary antibody  |

|                 |                                  |
|-----------------|----------------------------------|
| Shipping        | Blue ice                         |
| Storage         | -20°C                            |
| Expiration Date | 12 months                        |
| Note            | Please avoid freeze-thaw cycles. |

## Protocol



Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.



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