

## Anti-HMGB1 Rabbit Monoclonal 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: 29 kDa   |
| Conjugation        | Unconjugated   |
| Ex                 | -  |
| Em                 | -  |
| Modification       | Unmodified   |
| Clonality          | IgG  |
| Isotype            | Monoclonal Antibody  |
| Clonality No.      | AP-18C11F1   |
| Form               | Liquid   |
| Concentration      | See label  |
| Carrier            | Carrier Not Free   |
| Immunogen          | Peptide  |
| Purification       | Affinity Purified  |
| Buffer System      | Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| Application        | WB, IHC-F, IHC-P, FC   |
| Dilution Ratio     | WB: 1/500-1/1000 IHC: 1/50-1/100 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.



**APExBIO Technology**

**[www.apexbt.com](http://www.apexbt.com)**

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

