

## Datasheet for ABIN6287398 **anti-HMGB1 antibody (N-Term)**



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### Overview

|                      |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Quantity:            | 50 µL                                                                                     |
| Target:              | HMGB1                                                                                     |
| Binding Specificity: | N-Term                                                                                    |
| Reactivity:          | Human, Mouse, Rat                                                                         |
| Host:                | Rabbit                                                                                    |
| Clonality:           | Polyclonal                                                                                |
| Conjugate:           | This HMGB1 antibody is un-conjugated                                                      |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

### Product Details

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:   | <p>HMG-1 is a protein encoded by the HMGB1 gene which is approximately 24,8 kDa. HMG-1 is localised to the nucleus, cytoplasm and cell membrane. It is involved in activated TLR4 signalling, cytosolic sensors of pathogen-associated DNA, the innate immune system and apoptosis induced DNA fragmentation. It is a multifunctional redox sensitive protein with various roles in different cellular compartments. In the nucleus, it is one of the major chromatin-associated non-histone proteins and acts as a DNA chaperone involved in replication, transcription, chromatin remodelling, DNA repair and genome stability. HMG-1 is ubiquitously expressed in human tissues. Mutations in the HMGB1 gene may result in endophthalmitis. STJ96867 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal Antibody detects endogenous levels of HMG-1 protein.</p> |
| Immunogen: | Synthesized peptide derived from human HMG-1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype:   | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Product Details

|                  |                                                                                                                       |
|------------------|-----------------------------------------------------------------------------------------------------------------------|
| Specificity:     | HMG-1 Polyclonal Antibody detects endogenous levels of HMG-1 protein.                                                 |
| Characteristics: | Rabbit polyclonal to HMG-1.                                                                                           |
| Purification:    | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | HMGB1                                                                                                                                                                                                                                                                                                                                                                                                     |
| Alternative Name: | HMG-1 ( <a href="#">HMGB1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                  |
| Gene ID:          | 3146                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt:          | <a href="#">P09429</a>                                                                                                                                                                                                                                                                                                                                                                                    |
| Pathways:         | <a href="#">p53 Signaling</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Inflammasome</a> |

## Application Details

|                    |                                                       |
|--------------------|-------------------------------------------------------|
| Application Notes: | WB 1:500-1:2000<br>IHC-P 1:100-1:300<br>ELISA 1:20000 |
| Comment:           | Ubiquitous. Expressed in platelets .                  |
| Restrictions:      | For Research Use only                                 |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 1 mg/mL                                                                                                                |
| Buffer:            | Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.                                             |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                   |