

Basic Information

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|---------------------------|---|------------|
| Product Name | Anti-HMGB2 Antibody (Clone#ACCF-8) | |
| Gene Name | HMGB2 | |
| Source | Rabbit | |
| Clonality | Monoclonal | |
| Isotype | IgG | |
| Species Reactivity | human, mouse, rat | |
| Tested Application | WB, IHC, ICC/IF, IP | |
| Contents | 500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol. | |
| Immunogen | A synthesized peptide derived from human HMGB2 | |
| Concentration | 500 ug/ml | |
| Purification | Affinity-chromatography | |
| Observed MW | 24 kDa | |
| Dilution Ratios | Western blot (WB): | 1:500-2000 |
| | Immunohistochemistry (IHC): | 1:50-200 |
| | Immunocytochemistry/Immunofluorescence (ICC/IF): | 1:50-200 |
| | ImmunoPrecipitation (IP): | 1:20 |

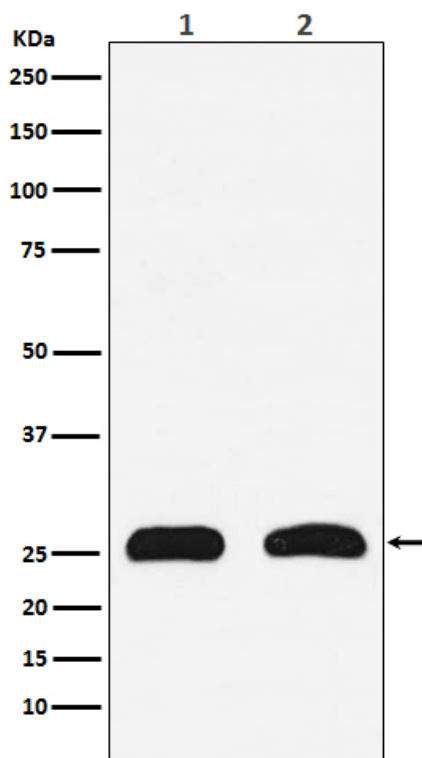
Storage

12 months from date of receipt, -20°C as supplied.

Background Information

High-mobility group protein B2, also known as high-mobility group protein 2 (HMG-2), is a protein that in humans is encoded by the HMGB2 gene. This gene encodes a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination.

Selected Validation Data



Western blot analysis of HMGB2 expression in (1) HeLa cell lysate;
(2) PC-12 cell lysate.