

DATASHEET

HMGB2 Rabbit Polyclonal Antibody

CAT. NO. ARA6638

KEY FEATURES

| | | | |
|--------------|-------------------|---------------|------------|
| Target | HMGB2 | Source / Host | Rabbit |
| Reactivity | Human, Mouse, Rat | Clonality | Polyclonal |
| Applications | WB,IHC,IF/ICC | Storage | -20°C |

BACKGROUND

HMGB2 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.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|--------|----------------|
| WB | 1:500 - 1:1000 |
| IHC | 1:100 - 1:200 |
| IF/ICC | 1:100 - 1:500 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

| | |
|---------------------|--|
| Product Description | Rabbit polyclonal antibody to HMGB2 |
| Immunogen | KLH - conjugated synthetic peptide encompassing a sequence within the center region of human HMGB2. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography |
| Clonality | Polyclonal |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide |
| Gene Name | HMGB2 |
| Related Names | HMG2; High mobility group protein B2; High mobility group protein 2; HMG - 2 |
| Gene ID (Human) | 3148 |
| Gene ID (Mouse) | 97165 |
| Protein ID (Human) | P26583 |
| Protein ID (Mouse) | P30681 |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

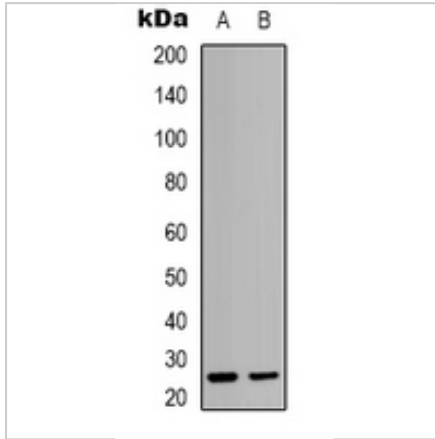
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

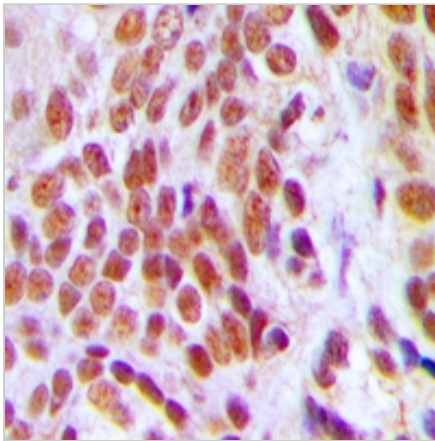
HMGB2 Rabbit Polyclonal Antibody

CAT. NO. ARA6638

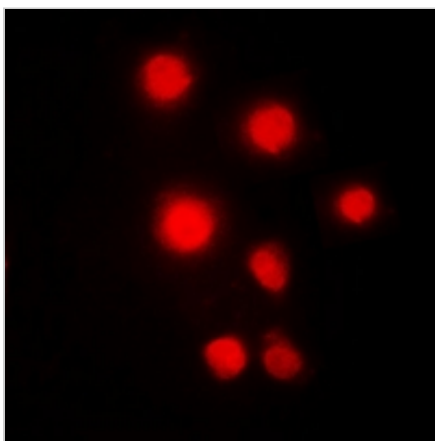
DATA



Western blot analysis of HMGB2 expression in HeLa (A), K562 (B) whole cell lysates. (Predicted band size: 24 kD; Observed band size: 26 kD)



Immunohistochemical analysis of HMGB2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of HMGB2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

STORAGE

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arex.bio