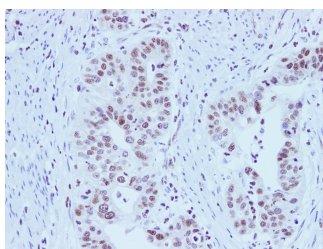


## HMGB1 Polyclonal Antibody

<b>Catalog No.</b>	E-AB-40335	<b>Reactivity</b>	H
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	IHC	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Immunohistochemistry of paraffin-embedded Human stomach cancer using HMGB1 Polyclonal Antibody at dilution of 1:100

### Immunogen Information

<b>Immunogen</b>	Recombinant Human High mobility group B1 protein
<b>Swissprot</b>	P09429
<b>Synonyms</b>	Amphoterin, Chromosomal protein, nonhistone, HMG1, High mobility group 1, HMG-1, HMG3, HMGB1, NONHISTONE CHROMOSOMAL PROTEIN HMG1, SBP 1

### Product Information

<b>Buffer</b>	PBS with 0.05% Proclin300 and 50% glycerol, pH7.4.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	IHC 1:100-1:200

### Background

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 NF $\kappa$ B family, ATF-2 and c-Jun to activate transcription. Other studies indicate that phosphorylation of HMG protein is required to stimulate the transcriptional activity of the protein. Human HMG-1 and HMG-2 both contain two DNA-binding domains, termed HMG boxes. HMG proteins bind single-stranded DNA but induce conformational changes in double-stranded DNA alone.

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