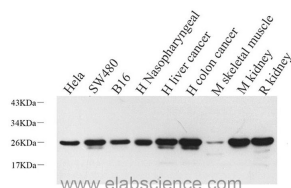


## HMGB1 Polyclonal Antibody

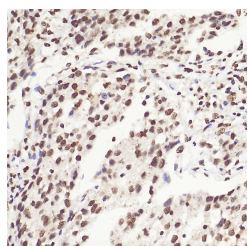
<b>Catalog No.</b>	E-AB-70044	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,IHC,IF	<b>Isotype</b>	IgG

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

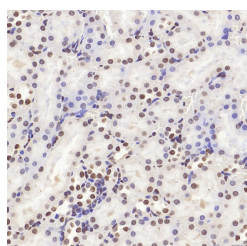
### Images



Western Blot analysis of various samples using HMGB1 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer using HMGB1 Polyclonal Antibody at dilution of 1:500.



Immunohistochemistry analysis of paraffin-embedded mouse kidney using HMGB1 Polyclonal Antibody at dilution of 1:500.

### Immunogen Information

<b>Immunogen</b>	KLH conjugated Synthetic peptide corresponding to Mouse HMGB1
<b>Swissprot</b>	P09429,P63158,P63159
<b>Synonyms</b>	HMGB1, HMG1, HMG3, SBP-1, HMG-1, high mobility group box 1

### Product Information

<b>Calculated MW</b>	25kDa
<b>Observed MW</b>	25kDa
<b>Buffer</b>	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4
<b>Purify</b>	Affinity purification
<b>Dilution</b>	WB 1:500-1:2000, IHC 1:200-1:800, IF 1:200-1:800

### 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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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.