

Recombinant HMGB1 Monoclonal Antibody

catalog number: **E-AB-81436**

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

Description

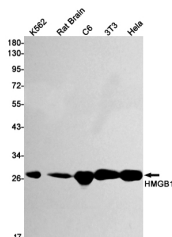
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human HMGB1
Host	Rabbit
Isotype	IgG
Clone	R07-2D8
Purification	Affinity Purified
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

Applications

Recommended Dilution

WB	1:1000-1:2000
IHC	1:50-1:100

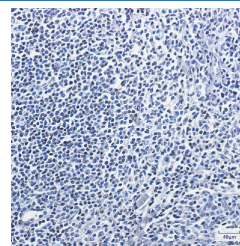
Data



Western blot detection of HMGB1 in K562, Rat Brain, C6, 3T3, Hela cell lysates using HMGB1 Rabbit mAb (1:1000 diluted). Predicted band size: 25 kDa. Observed band size: 25 kDa.

Observed-MW: 25 kDa

Calculated-MW: 25 kDa



Immunohistochemistry of HMGB1 in paraffin-embedded Human tonsil using HMGB1 Rabbit mAb at dilution 1:100

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

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 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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