HMGB1 Polyclonal Antibody

catalog number: **E-AB-70044**

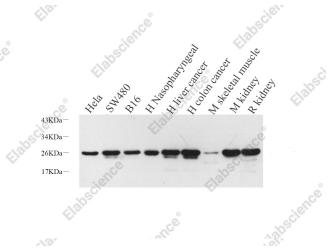
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse HMGB1
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:200-1:800
IF	1:200-1:800

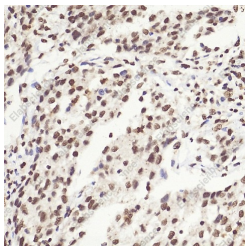
Data



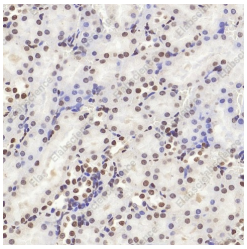
Western Blot analysis of various samples using HMGB1 Polyclonal Antibody at dilution of 1:1000.

Observed-MW:25 kDa

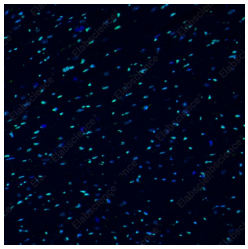
Calculated-MW:25 kDa



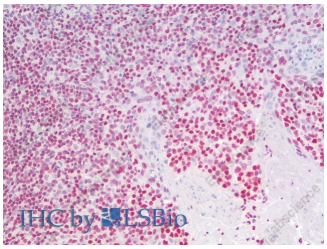
Immunohistochemistry analysis of paraffin-embedded Human liver cancer using HMGB1 Polyclonal Antibody at dilution of 1:500.



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



Immunofluorescence analysis of paraffin-embedded Mouse heart using HMGB1 Polyclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded Human Tonsil using HMGB1 Polyclonal Antibody(Elabscience Product Detected by Lifespan).

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.