Leader in Biomolecular Solutions for Life Science

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[KO Validated] HMGB1 Rabbit mAb

Catalog No.: A19529 KO Validated Recombinant 11 Publications

Basic Information

Observed MW
25kDa

Calculated MW
25kDa

Category
Primary antibody

Applications
ELISA,WB,IHC-P,IF/ICC

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC0001

Background

This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
3146

Swiss Prot
P09429

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 100-200 of human HMGB1 (P09429).

Synonyms
HMG1; HMG3; HMG-1; SBP-1; B1

Contact

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Product Information

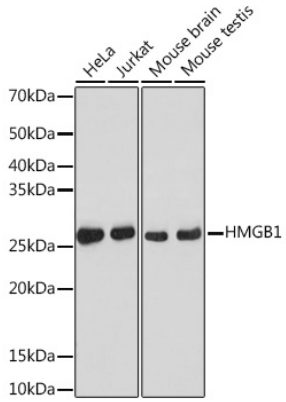
Source
Rabbit

Isotype
IgG

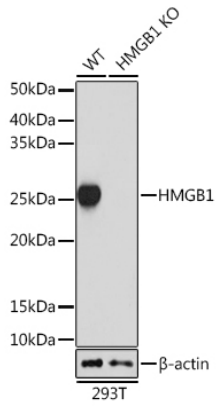
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

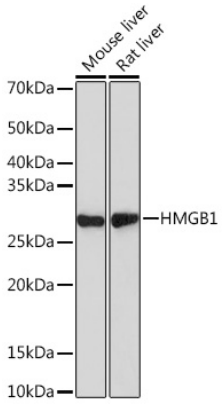
Validation Data



Western blot analysis of extracts of various cell lines, using HMGB1 antibody (A19529) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.

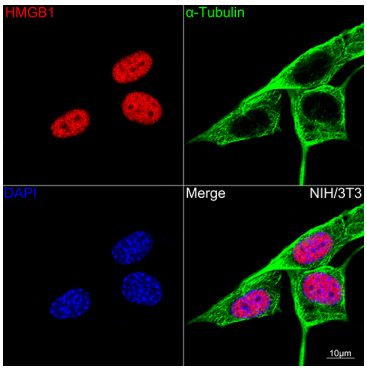


Western blot analysis of extracts from wild type (WT) and HMGB1 knockout (KO) 293T cells, using HMGB1 antibody (A19529) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.

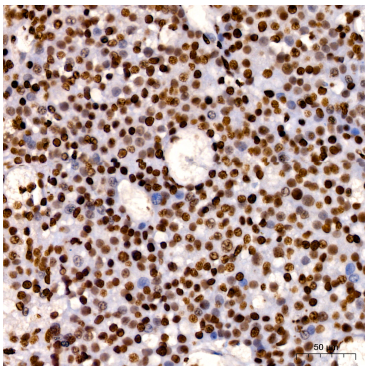


Western blot analysis of extracts of various cell lines, using HMGB1 antibody (A19529) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

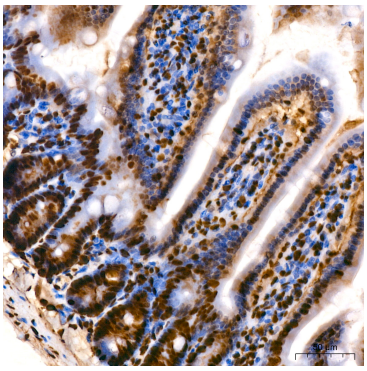
Validation Data



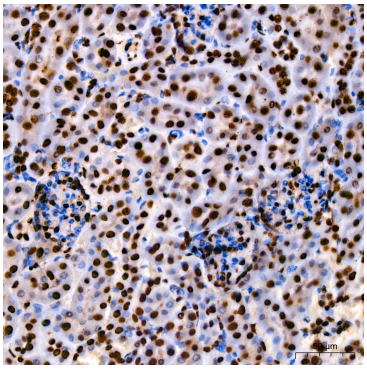
Confocal imaging of NIH-3T3 cells using [KO Validated] HMGB1 Rabbit mAb (A19529,dilution 1:100) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



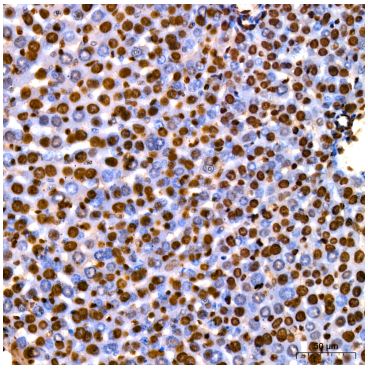
Immunohistochemistry analysis of paraffin-embedded human liver cancer using [KO Validated] HMGB1 Rabbit mAb (A19529) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



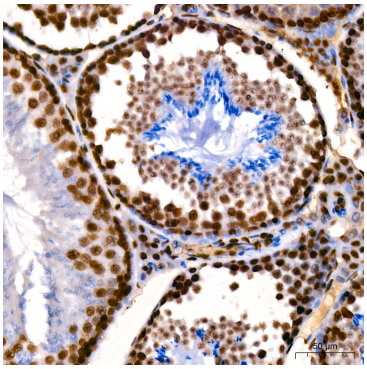
Immunohistochemistry analysis of paraffin-embedded mouse colon using [KO Validated] HMGB1 Rabbit mAb (A19529) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



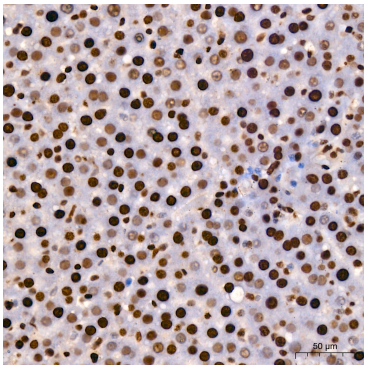
Immunohistochemistry analysis of paraffin-embedded mouse kidney using [KO Validated] HMGB1 Rabbit mAb (A19529) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse liver using [KO Validated] HMGB1 Rabbit mAb (A19529) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse testis using [KO Validated] HMGB1 Rabbit mAb (A19529) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat liver using [KO Validated] HMGB1 Rabbit mAb (A19529) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM

citrate buffer pH 6.0 before commencing with IHC staining protocol.

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