HMGB1 Rabbit pAb

Catalog NO.: A0719 2 Publications

Basic Information

Observed MW
29kDa/

Calculated MW
25kDa

Category
Polyclonal Antibodies

Applications
WB, IHC-P, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

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 - 1:1000
IHC-P	1:50 - 1:100

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3146

Swiss Prot
P09429

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
HMG1; HMG3; HMG-1; SBP-1; HMGB1

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

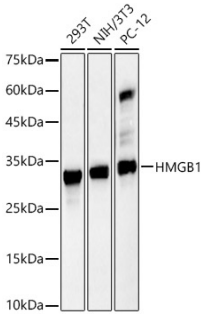
Source
Rabbit

Isotype
IgG

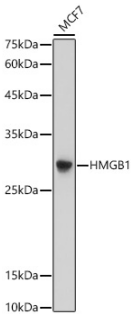
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

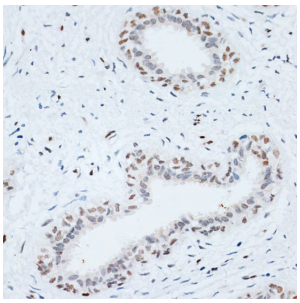
Validation Data



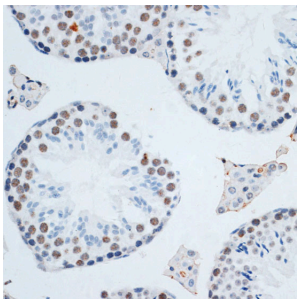
Western blot analysis of various lysates, using HMGB1 Rabbit pAb (A0719) at 1:400 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20s.



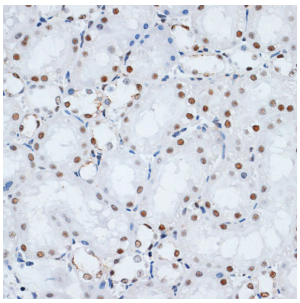
Western blot analysis of lysates from MCF7 cells using HMGB1 Rabbit pAb (A0719) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using HMGB1 Rabbit pAb (A0719) at dilution of 1:100 (40x lens). Microwave



Immunohistochemistry analysis of paraffin-embedded Mouse testis using HMGB1 Rabbit pAb (A0719) at dilution of 1:100 (40x lens). Microwave



Immunohistochemistry analysis of paraffin-embedded Rat kidney using HMGB1 Rabbit pAb (A0719) at dilution of 1:100 (40x lens). Microwave

antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

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