

HMGB1 (PT0499R) PT™ Rabbit mAb

CatalogNo: YM8327 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 25kD (Calculated)
25kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:2000-1:10000

WB 1:5000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

Basic Information

Clonality Monoclonal

Clone Number PT0499R

Immunogen Information

Specificity Endogenous

Target Information

Gene name HMGB1 HMG1

Protein Name High mobility group protein B1 (High mobility group protein 1) (HMG-1)

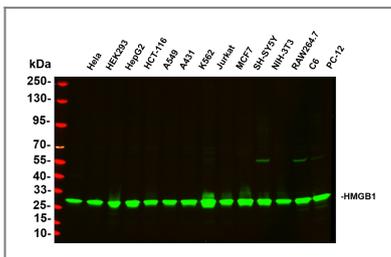
Organism	Gene ID	UniProt ID
Human	3146;	P09429;
Mouse	100862258;	P63158;
Rat	25459;	P63159;

Cellular Localization Nucleus

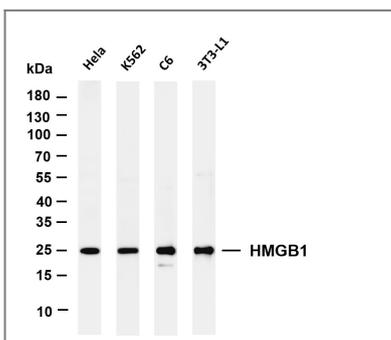
Tissue specificity Ubiquitous. Expressed in platelets (PubMed:11154118).

Function Function: Binds preferentially single-stranded DNA and unwinds double stranded DNA., similarity: Belongs to the HMGB family., similarity: Contains 2 HMG box DNA-binding domains.,

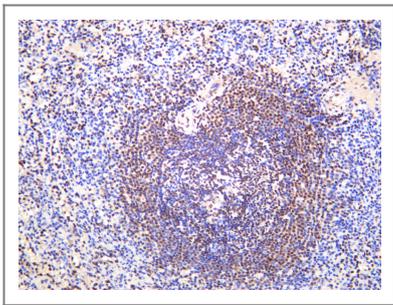
Validation Data



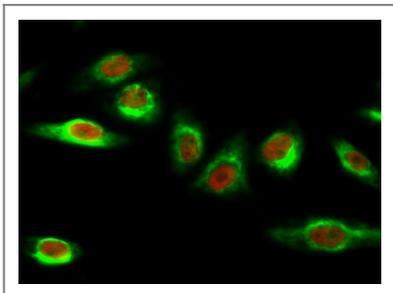
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:5000 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody (Cat:RS23920) was used to detect the antibody. Lane1: HeLa - Human cervical cancer Lane2: HEK293 - Human normal embryonic kidney Lane3: HepG2 - Human hepatocellular carcinoma Lane4: HCT-116 - Human colon cancer Lane5: A549 - Human lung adenocarcinoma Lane6: A431 - Human skin squamous cell carcinoma Lane7: K562 - Human chronic myeloid leukemia Lane8: Jurkat - Human acute T cell leukemia cells Lane9: MCF7 - Human breast cancer Lane10: SH-SY5Y - Human neuroblastoma cells Lane11: NIH-3T3 - NIH mouse fibroblasts Lane12: RAW264.7 - Mouse mononuclear macrophage leukemia cells Lane13: C6 - Rat glioma cells Lane14: PC-12 - Pheochromocytoma in rats Predicted band size: 25kDa Observed band size: 25kDa



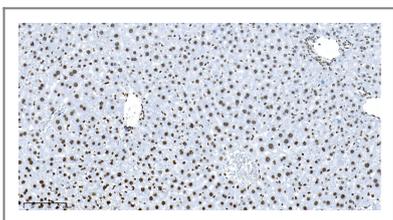
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-HMGB1 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: K562 Lane 3: C6 Lane 4: 3T3-L1 Predicted band size: 25kDa Observed band size: 25kDa



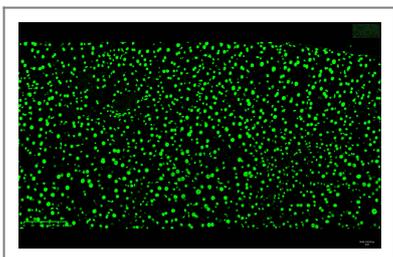
Human spleen was stained with anti-HMGB1 rabbit antibody



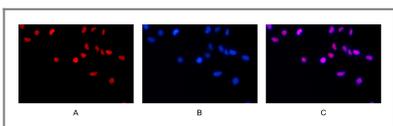
Immunofluorescence analysis of HeLa cell. 1, HMG-1 Antibody (red) was diluted at 1:200 (4° overnight). Caspase 9 Monoclonal Antibody (3-20) (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog: RS3611 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog: RS3208 was diluted at 1:1000 (room temperature, 50min).



Mouse liver was stained with anti-HMGB1 Rabbit antibody



Mouse liver was stained with anti-HMGB1 Rabbit antibody



Immunofluorescence analysis of HEK293. Picture A: HMGB1 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

Contact information

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Please scan the QR code to access additional product information:
HMGB1 (PT0499R)
PT™ Rabbit mAb