

Product Datasheet

HMGB1 Antibody (orb1239440)

Catalog Number	orb1239440
Description	HMGB1 Antibody
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Tested Applications	ELISA, IF, IHC-P, WB
Immunogen	Anti-HMGB1 antibody (orb1239440) was raised against a peptide corresponding to 19 amino acids near the center of human HMGB1. The immunogen is located within 70-120 amino acids of HMGB1.
Target	HMGB1
Preservatives	HMGB1 Antibody is supplied in PBS containing 0.02% sodium azide.
Form/Appearance	Liquid
Concentration	1 mg/mL
Storage	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures
Note	For research use only
Isotype	IgG
Clonality	Polyclonal
Antibody Type	Primary Antibody
MW	Predicted: 25 kDa Observed: 25 kDa
Uniprot ID	P09429

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44101223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

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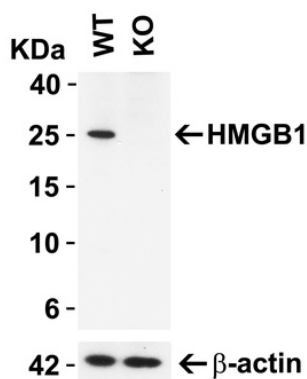
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Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

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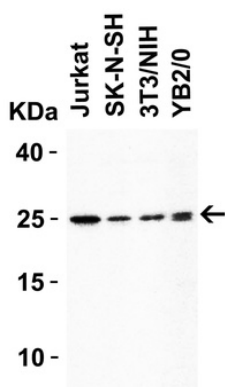
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Expiration Date

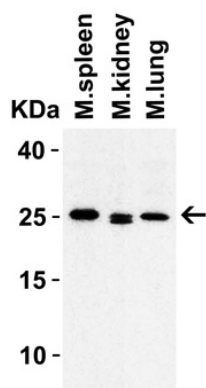
12 months from date of receipt.



KO Validation in HeLa Cells. Loading: 10 μ g of HeLa WT cell lysates or HMGB1 KO cell lysates. Antibodies: HMGB1 (0.5 μ g/mL) and beta-actin orb1240312 (1 μ g/mL), 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



WB Validation in Human, Mouse and Rat Cell Lines. Loading: 15 μ g of lysate Antibodies: HMGB1 orb1239440, 1 μ g/mL, 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



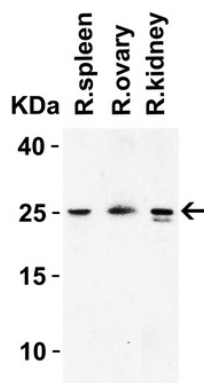
WB Validation in Mouse Tissues. Loading: 15 μ g of lysate Antibodies: HMGB1 orb1239440, 1 μ g/mL, 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.

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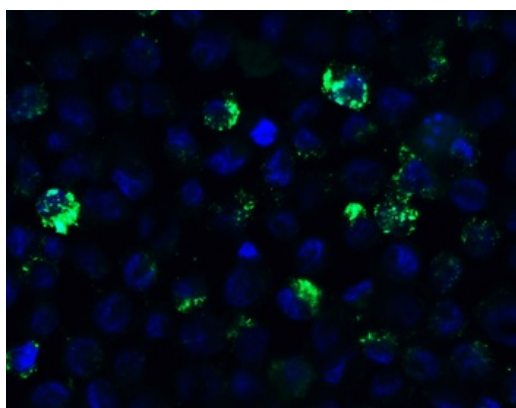
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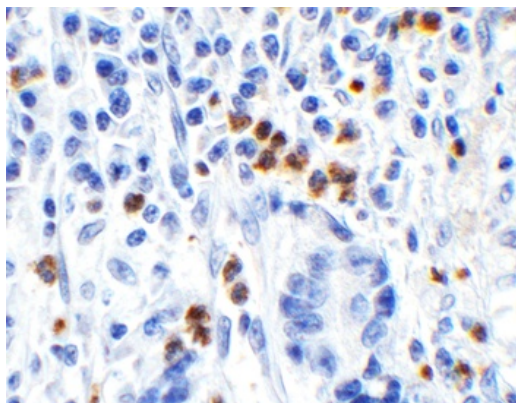
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WB Validation in Rat Tissues. Loading: 15 µg of lysate
Antibodies: HMGB1 orb1239440, 1 µg/mL, 1 h incubation at RT
in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP
conjugate at 1:10000 dilution.



Immunofluorescence Validation of HMGB1 in HL60 Cells.
Immunofluorescent analysis of 4% paraformaldehyde-fixed
HL60 cells labeling HMGB1 with orb1239440 at 20 µg /mL,
followed by goat anti-rabbit IgG secondary antibody at 1/500
dilution (green) and DAPI antibody (blue).



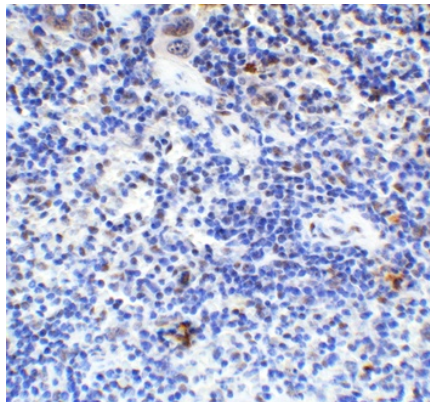
Immunohistochemistry Validation of HMGB1 in Human Stomach
Tissue. Immunohistochemical analysis of paraffin-embedded
human stomach tissue using anti-HMGB1 antibody
(orb1239440) at 1 µg/ml. Tissue was fixed with formaldehyde
and blocked with 10% serum for 1 h at RT; antigen retrieval was
by heat mediation with a citrate buffer (pH6). Samples were
incubated with primary antibody overnight at 4°C. A goat anti-
rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter
stained with Hematoxylin.

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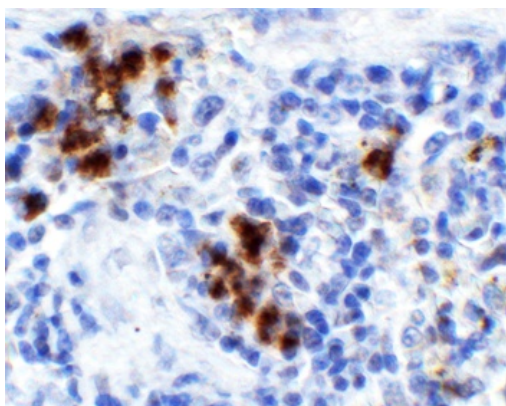
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Immunohistochemistry Validation of HMGB1 in Mouse Spleen Tissue. Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-HMGB1 antibody (orb1239440) at 2 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunohistochemistry Validation of HMGB1 in Rat Spleen Tissue. Immunohistochemical analysis of paraffin-embedded rat spleen tissue using anti-HMGB1 antibody (orb1239440) at 1 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

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