

Datasheet for ABIN7425836
anti-HMGB1 antibody (AA 1-215)

5 Images

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Overview

Quantity:	100 µL
Target:	HMGB1
Binding Specificity:	AA 1-215
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HMGB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to High Mobility Group Protein 1 (HMGB1)
Immunogen:	Recombinant High Mobility Group Protein 1 (HMGB1) corresponding to Met1~Glu215 with N-terminal His Tag
Clone:	1#
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against HMGB1. It has been selected for its ability to recognize HMGB1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Rat
Purification:	Protein A + Protein G affinity chromatography

Target Details

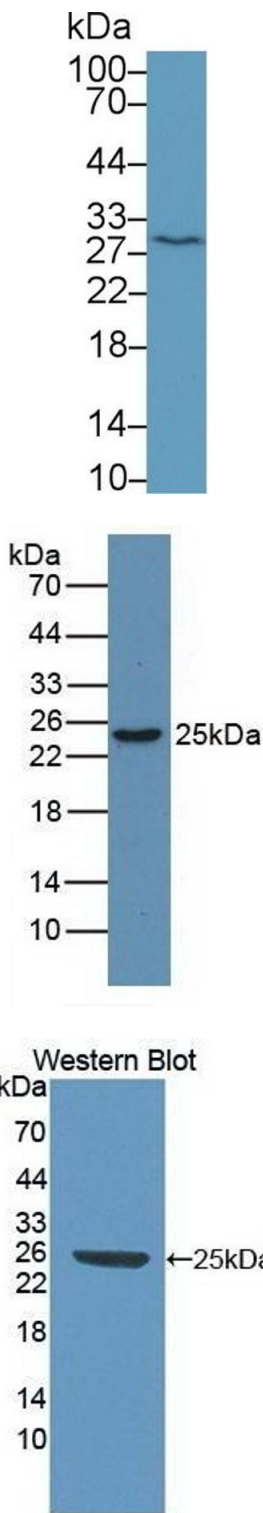
Target:	HMGB1
Alternative Name:	High Mobility Group Protein 1 (HMGB1 Products)
Background:	HMG1, HMG3, SBP1, Sulfoglucuronyl Carbohydrate Binding Protein, Amphoterin, High Mobility Group Box 1 Protein
Pathways:	p53 Signaling , Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development , Positive Regulation of Endopeptidase Activity , Regulation of Carbohydrate Metabolic Process , Toll-Like Receptors Cascades , Smooth Muscle Cell Migration , Inflammasome

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL 1:500-2000 Immunohistochemistry: 5-20 µg/mL 1:50-200 Immunocytochemistry: 5-20 µg/mL 1:50-200 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Western Blotting

Image 1. Detection of HMGB1 in Human HeLa cell lysate using Monoclonal Antibody to High Mobility Group Protein 1 (HMGB1)

Western Blotting

Image 2. Detection of HMGB1 in Human Jurkat Cells using Monoclonal Antibody to High Mobility Group Protein 1 (HMGB1)

Western Blotting

Image 3. Detection of Recombinant HMGB1, Human using Monoclonal Antibody to High Mobility Group Protein 1 (HMGB1)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7425836.