

Datasheet for ABIN7431740  
**anti-HMGB1 antibody (AA 1-215)**

## 4 Images

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## Overview

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

## Product Details

Purpose:	Polyclonal 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
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal 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:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

## Target Details

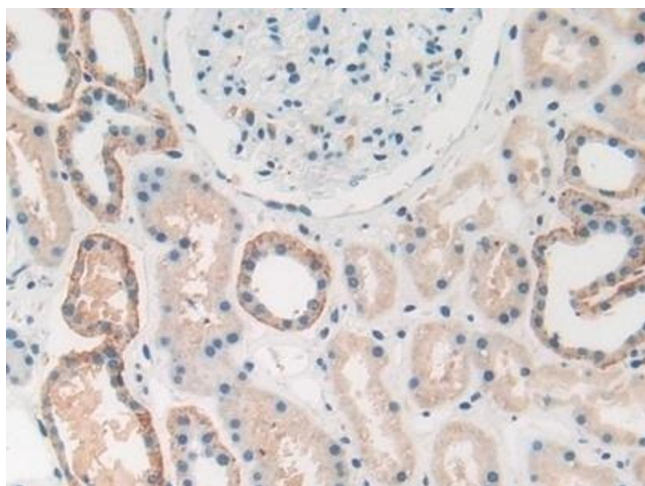
Target:	HMGB1
Alternative Name:	High Mobility Group Protein 1 ( <a href="#">HMGB1 Products</a> )
Background:	HMG1, HMG3, SBP1, Sulfoglucuronyl Carbohydrate Binding Protein, Amphoterin, High Mobility Group Box 1 Protein
Pathways:	<a href="#">p53 Signaling</a> , <a href="#">Regulation of Muscle Cell Differentiation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

## Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL 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

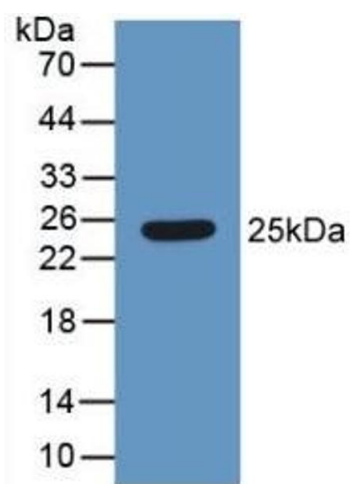
## Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: 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



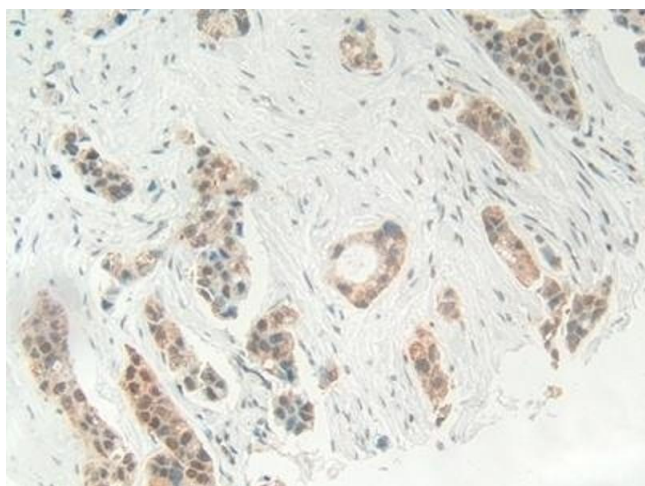
#### Immunohistochemistry

**Image 1.** Detection of HMGB1 in Human Kidney Tissue using Polyclonal Antibody to High Mobility Group Protein 1 (HMGB1)



#### Western Blotting

**Image 2.** Detection of Recombinant HMGB1, Human using Polyclonal Antibody to High Mobility Group Protein 1 (HMGB1)



#### Immunohistochemistry

**Image 3.** Detection of HMGB1 in Human Breast cancer Tissue using Polyclonal Antibody to High Mobility Group Protein 1 (HMGB1)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7431740.