Datasheet for ABIN7218518

anti-HMGB1 antibody (N-Term)

5 Images

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Overview

Quantity:	100 µL
Target:	HMGB1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	HMG-1 Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the N-terminal region of human HMG-1
Isotype:	IgG
Specificity:	HMG-1 Polyclonal Antibody detects endogenous levels of HMG-1 protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	HMGB1

Target Details

Alternative Name:	HMG-1 (HMGB1 Products)
Background:	Rabbit Anti-HMG-1 Polyclonal Antibody,HMGB1, HMG1, High mobility group protein B1, High mobility group protein 1, HMG-1,HMGB1 encodes high mobility group box 1 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.,High mobility group protein B1
Molecular Weight:	observerd band 25kDa
Gene ID:	3146
UniProt:	P09429
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:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:20000). Not yet tested in other applications.
Comment:	Primary Antibody
Restrictions:	For Research Use only

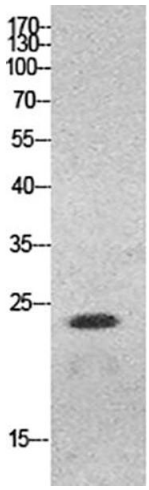
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.
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:	-20 °C

Handling

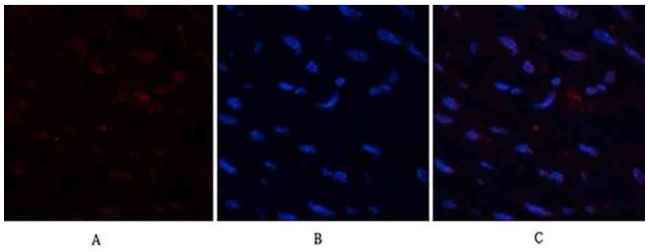
Storage Comment:	Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Images



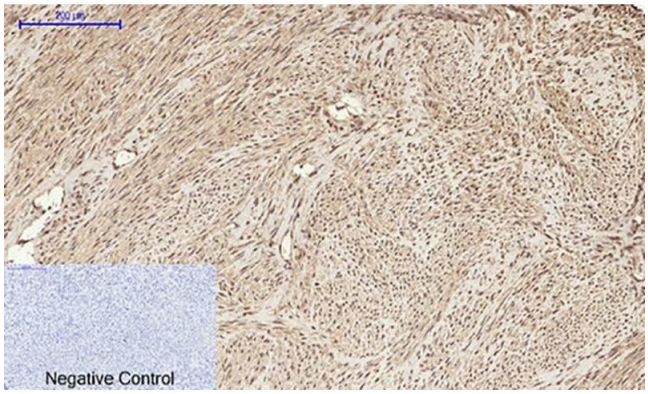
Western Blotting

Image 1. Western Blot analysis of HeLa cells using HMG-1 Polyclonal Antibody. Antibody was diluted at 1:500.



Immunofluorescence

Image 2. Immunofluorescence analysis of human uterus tissue. 1, HMG-1 Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human uterus tissue. 1, HMG-1 Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.

Please check the product details page for more images. Overall 5 images are available for ABIN7218518.