

Datasheet for ABIN6991976
anti-HMGB1 antibody (AA 70-120)



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Overview

Quantity:	0.1 mg
Target:	HMGB1
Binding Specificity:	AA 70-120
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

Immunogen:	HMGB1 antibody was raised against a 19 amino acid peptide near the center of human HMGB1. The immunogen is located within amino acids 70 - 120 of HMGB1.
Isotype:	IgG
Specificity:	HMGB1 antibody is human, mouse and rat reactive.
Purification:	HMGB1 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	HMGB1
Alternative Name:	HMGB1 (HMGB1 Products)

Target Details

Background:	The high-mobility group box 1 (HMGB1) protein was originally identified as a highly conserved nuclear DNA-binding protein that participates in DNA replication, repair and transcriptional regulation of gene expression (1,2). However, HMGB1 has more recently emerged as an extracellularly released mediator of inflammation and repair responses in lipopolysaccharide (LPS)-induced endotoxemia and sepsis (3). HMGB1 has also been suggested to induce secretion of pro-inflammatory cytokines and chemokines by inducing NF- κ B signaling downstream of Toll-like receptor (TLR) 2 and TLR4 activation (4).
Molecular Weight:	Predicted: 24 kDa Observed: 24 kDa
Gene ID:	3146
NCBI Accession:	NP_002119
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:	HMGB1 antibody can be used for detection of HMGB1 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for Immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	HMGB1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	HMGB1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.