Datasheet for ABIN7212652

anti-HMGB1 antibody (acLys12)

4 Images

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Overview

Quantity:	100 µL
Target:	HMGB1
Binding Specificity:	acLys12
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	HMG-1 (Acetyl Lys12) Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the N-terminal region of human HMG-1 around the acetylation site of K12
Isotype:	IgG
Specificity:	Acetyl-HMG-1 (K12) Polyclonal Antibody detects endogenous levels of HMG-1 protein only when non-acetylation at K12.
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 (Acetyl Lys12) Polyclonal Antibody,HMGB1, HMG1, High mobility group protein B1, High mobility group protein 1, HMG-1,HMGB1 encodes a protein 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. High mobility group box 1 plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of HMGB1 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 (1:10000). Not yet tested in other applications.
Comment:	Primary Antibody
Restrictions:	For Research Use only

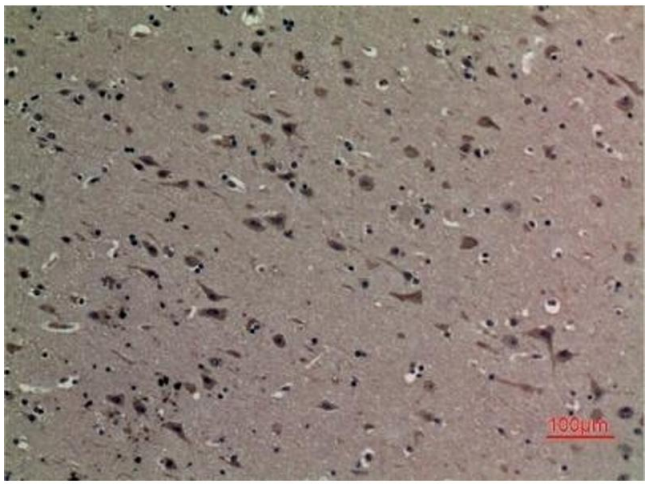
Handling

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

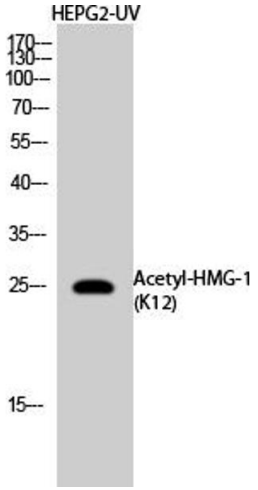
Storage Comment:	Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Images



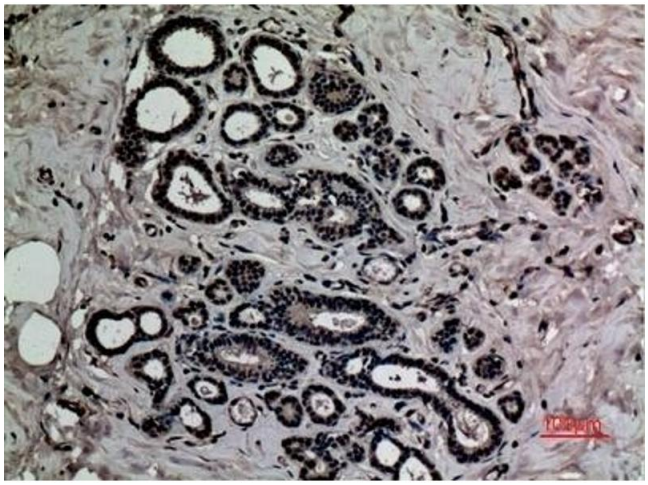
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100.



Western Blotting

Image 2. Western Blot analysis of NIH-3T3, HepG2-UV cells using Acetyl-HMG-1 (K12) Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary Antibody was diluted at 1:20000.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human-breast, antibody was diluted at 1:100.

Please check the product details page for more images. Overall 4 images are available for ABIN7212652.