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Datasheet for ABIN5647575  
**anti-HMGB1 antibody (AA 124-154)**

6 Images

Overview

Quantity:	100 µg
Target:	HMGB1
Binding Specificity:	AA 124-154
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 124-154 (DVAKKLGEMWNNTAADDKQPYEKKAACLKEK) from the human protein were used as the immunogen for the HMGB1 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	HMGB1
Alternative Name:	HMGB1 ( <a href="#">HMGB1 Products</a> )
Background:	High mobility group box 1 protein, also known as high-mobility group protein 1 (HMG-1) and amphoterin, is a protein that in humans is encoded by the HMGB1 gene. This gene 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.

## Target Details

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.

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 dilution of the HMGB1 antibody should be determined by the researcher.\. WB: 0.5-1 µg/mL,IHC (FFPE): 1-2 µg/mL

Restrictions: For Research Use only

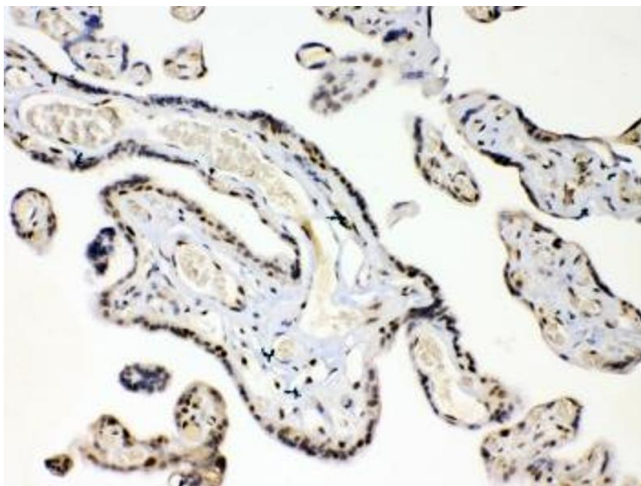
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

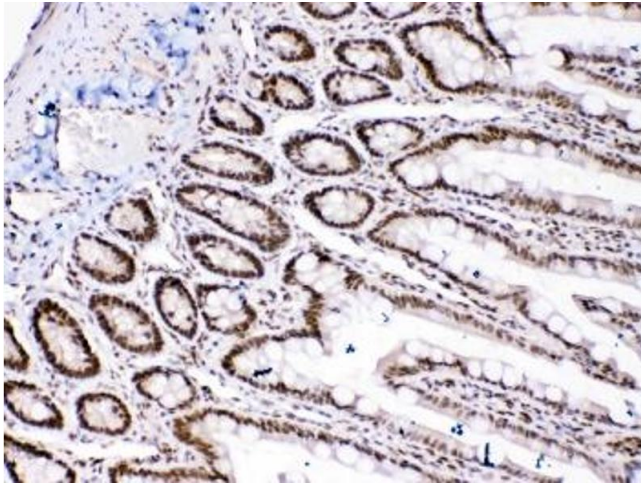
Storage Comment: After reconstitution, the HMGB1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



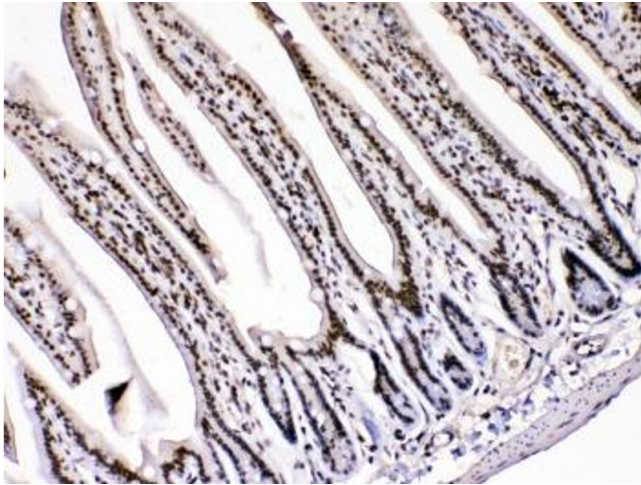
### Immunohistochemistry

**Image 1.** IHC testing of FFPE human placental tissue with HMGB1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



#### Immunohistochemistry

**Image 2.** IHC testing of FFPE rat intestinal tissue with HMGB1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



#### Immunohistochemistry

**Image 3.** IHC testing of FFPE mouse intestinal tissue with HMGB1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5647575.