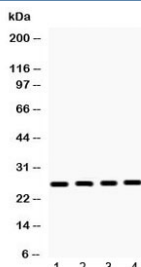


HMGB1 Antibody (R32675)

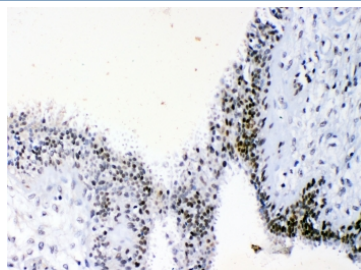
Catalog No.	Formulation	Size
R32675	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

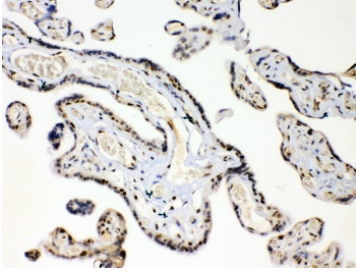
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P09429
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml
Limitations	This HMGB1 antibody is available for research use only.



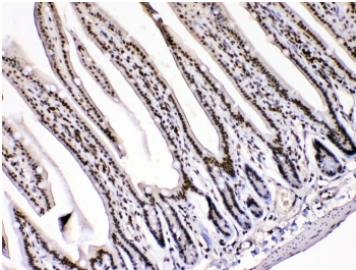
Western blot testing of 1) rat brain, 2) mouse ovary, 3) human 22RV1 and 4) human HeLa lysate with HMGB1 antibody at 0.5ug/ml. Predicted molecular weight ~25 kDa.



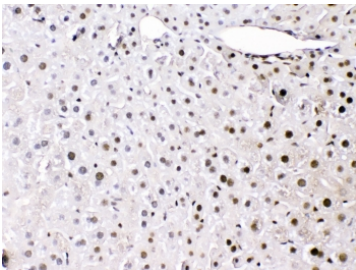
IHC testing of FFPE human breast cancer tissue with HMGB1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



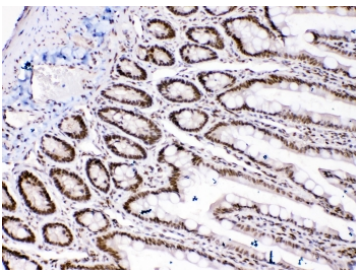
IHC testing of FFPE human placental tissue with HMGB1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



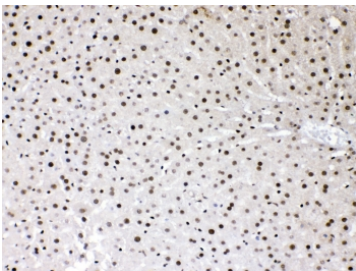
IHC testing of FFPE mouse intestinal tissue with HMGB1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse liver 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.



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.



IHC testing of FFPE rat liver 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.

Description

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. 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.

Application Notes

Optimal dilution of the HMGB1 antibody should be determined by the researcher.

Immunogen

Amino acids 124-154 (DVAKKLGEMWNNTAADDKQPYEKKAACLKEK) from the human protein were used as the immunogen for the HMGB1 antibody.

Storage

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.