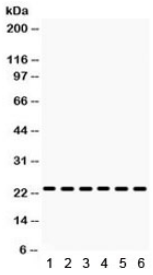
HMG4 Antibody / HMGB3 (R31810)

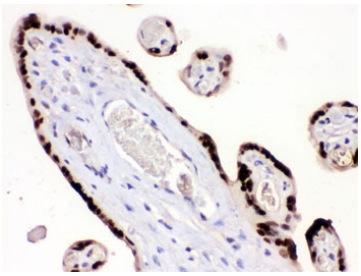
Catalog No.	Formulation	Size
R31810	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

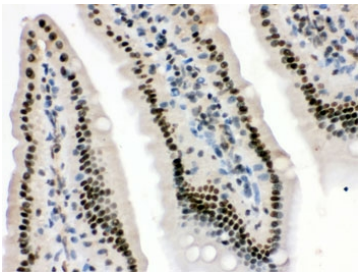
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	O15347
Localization	Nuclear
Applications	Western blot: 0.1-0.5ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This HMG4 antibody is available for research use only.



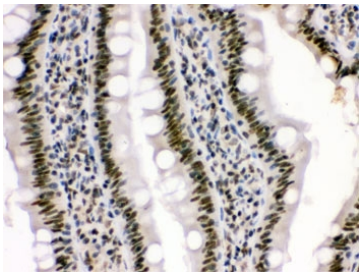
Western blot testing of 1) mouse liver, 2) mouse kidney, 3) mouse testis, 4) human 22RV1, 5) human MCF7 and 6) mouse NIH3T3 lysate with HMG4 antibody. Expected/observed molecular weight ~23 kDa.



IHC testing of FFPE human placenta with HMG4 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE mouse intestine with HMG4 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat intestine with HMG4 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

High-mobility group protein B, also known as HMG4, is a protein that in humans is encoded by the HMGB3 gene. This gene encodes a member of a family of proteins containing one or more high mobility group DNA-binding motifs. The encoded protein plays an important role in maintaining stem cell populations, and may be aberrantly expressed in tumor cells. A mutation in this gene was associated with microphthalmia, syndromic 13. There are numerous pseudogenes of this gene on multiple chromosomes. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the HMG4 antibody should be determined by the researcher.

Immunogen

Amino acids EMAKADKVRYDREMKDYGPAKGGKKKKDPNAPKR of human HMG4 were used as the immunogen for the HMG4 antibody.

Storage

After reconstitution, the HMG4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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