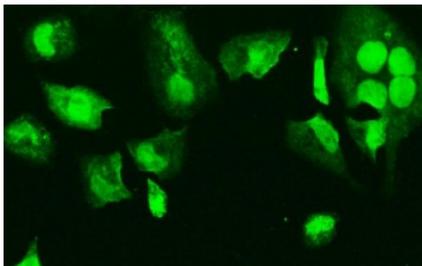


## HMG4 Antibody / HMGB3 [clone 8H9] (RQ6028)

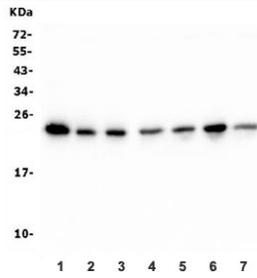
Catalog No.	Formulation	Size
RQ6028	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

### Bulk quote request

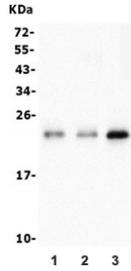
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b
<b>Clone Name</b>	8H9
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	O15347
<b>Localization</b>	Nuclear, cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunofluorescence : 2-4ug/ml Flow Cytometry : 1-3ug/million cells
<b>Limitations</b>	This HMG4 antibody is available for research use only.



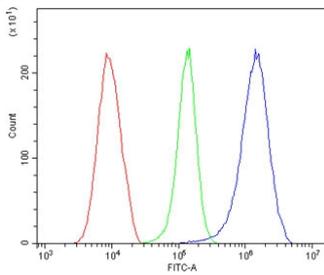
Immunofluorescent staining of FFPE human HeLa cells with HMG4 antibody. HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) placenta, 2) HeLa, 3) T-47D, 4) HepG2, 5) Caco-2, 6) SW620 and 7) Raji lysate with HMG4 antibody. Predicted molecular weight ~23 kDa.



Western blot testing of 1) rat brain, 2) rat liver and 3) mouse ANA-1 lysate with HMG4 antibody. Predicted molecular weight ~23 kDa.



Flow cytometry testing of human HeLa cells with HMG4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HMG4 antibody.

## 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 from the human protein were used as the immunogen for the HMG4 antibody.

## Storage

After reconstitution, the HMG4 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.

