

Rabbit Anti-HMGB2 antibody

SLM-60675R

Product Name HMGB2

Chinese Name 高迁移率族蛋白 2Recombinant rabbit monoclonal anti

Alias High mobility group (nonhistone chromosomal) protein 2; High mobility group box 2; High mobility group protein 2; High mobility group protein B2; HMG 2; HMG B2; HMG-2; HMG2; HMGB2_HUMAN.

Research Area Tumour Signal transduction Apoptosis transcriptional regulatory factor

Immunogen Species Rabbit

Clonality Monoclonal

Clone NO. R4C12

React Species Human,Mouse,Rat

Applications WB=1:500-1000,IHC-P=1:50-200,IHC-F=1:50-200,ICC/IF=1:50-200,IF=1:50-200
(Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 24kDa

Cellular localization The nucleus

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human HMGB2

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



PubMed

[PubMed](#)

This gene encodes a member of the non-histone chromosomal high mobility group protein family. The proteins of this family are chromatin-associated and ubiquitously distributed in the nucleus of higher eukaryotic cells. In vitro studies have demonstrated that this protein is able to efficiently bend DNA and form DNA circles. These studies suggest a role in facilitating cooperative interactions between cis-acting proteins by promoting DNA flexibility. This protein was also reported to be involved in the final ligation step in DNA end-joining processes of DNA double-strand breaks repair and V(D)J recombination. [provided by RefSeq, Jul 2008]

Subcellular Location:

Nucleus. ChromosomeEntrez Gene: 3148 Human Entrez Gene: 540444 Cow Entrez Gene: 97165 Mouse SwissProt: P40673 Cow SwissProt: P26583 Human SwissProt: P30681 Mouse

Product Detail

SWISS:

P26583

Gene ID:

3148

Database links:

[Entrez Gene: 3148](#) Human

[Entrez Gene: 540444](#) Cow

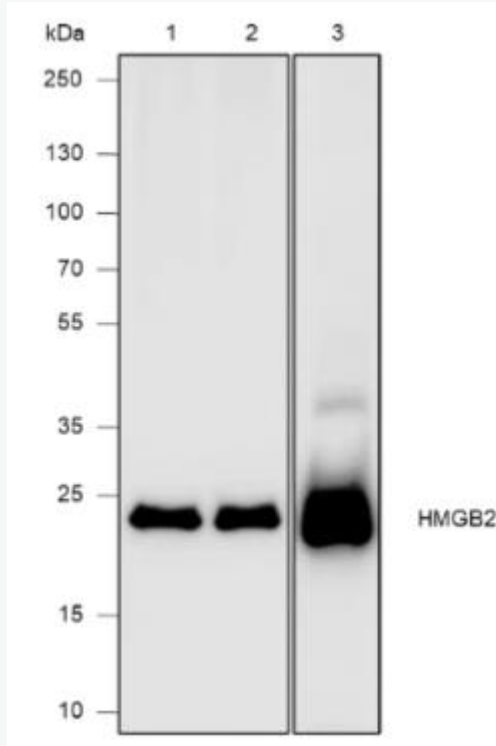
[Entrez Gene: 97165](#) Mouse

[SwissProt: P40673](#) Cow

[SwissProt: P26583](#) Human

[SwissProt: P30681](#) Mouse

**Product
Picture**



Blocking buffer: 5% NFDN/TBST

Primary Ab dilution: 1:1000

Primary Ab incubation condition: 2 hours at
room temperature

Secondary Ab: Goat Anti-Rabbit IgG H&L
(HRP)

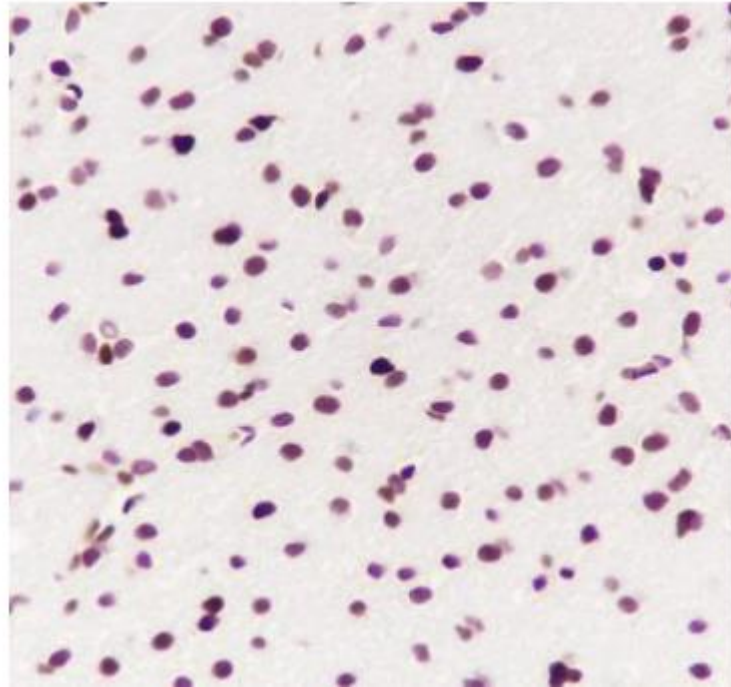
Lysate: 1: HeLa, 2: HepG2, 3: PC-12

Protein loading quantity: 20 μ g

Exposure time: 30 s

Predicted MW: 24 kDa

Observed MW: 24 kDa



Tissue: Rat cerebrum

Section type: Formalin-fixed & Paraffin

-embedded section

Retrieval method: High temperature and high
pressure

Retrieval buffer: Tris/EDTA buffer, pH 9.0

Primary Ab dilution: 1:100

Primary Ab incubation condition: 1 hour at
room temperature

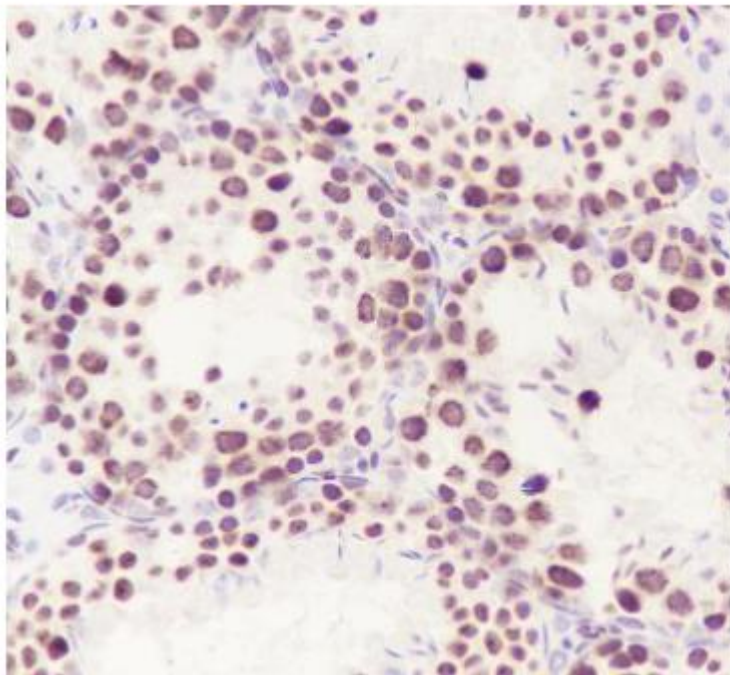
Secondary Ab: Anti-Rabbit and Mouse

Polymer HRP (Ready to use)

Counter stain: Hematoxylin (Blue)

Comment: Color brown is the positive signal for

SLM-60675R



Tissue: Mouse testis

Section type: Formalin-fixed & Paraffin

-embedded section

Retrieval method: High temperature and high
pressure

Retrieval buffer: Tris/EDTA buffer, pH 9.0

Primary Ab dilution: 1:100

Primary Ab incubation condition: 1 hour at
room temperature

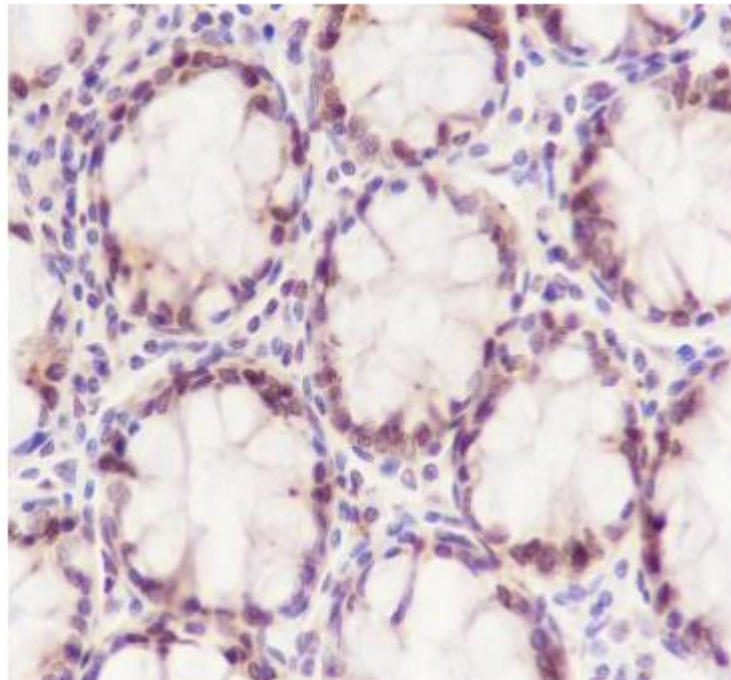
Secondary Ab: Anti-Rabbit and Mouse

Polymer HRP (Ready to use)

Counter stain: Hematoxylin (Blue)

Comment: Color brown is the positive signal for

SLM-60675R



Tissue: Human colon

Section type: Formalin-fixed & Paraffin

-embedded section

Retrieval method: High temperature and high

pressure

Retrieval buffer: Tris/EDTA buffer, pH 9.0

Primary Ab dilution: 1:100

Primary Ab incubation condition: 1 hour at

room temperature

Secondary Ab: Anti-Rabbit and Mouse

Polymer HRP (Ready to use)

Counter stain: Hematoxylin (Blue)

Comment: Color brown is the positive signal for

SLM-60675R