




Product datasheet

Anti-HMGB2 antibody ab67282

★★★★☆ [4 Abreviews](#) [30 References](#) [4 Images](#)

Overview

Product name	Anti-HMGB2 antibody
Description	Rabbit polyclonal to HMGB2
Host species	Rabbit
Tested applications	Suitable for: ICC, WB, IP
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Horse, Cow, Dog, Pig, Chimpanzee, Cynomolgus monkey, Rhesus monkey, Opossum 
Immunogen	Synthetic peptide: KGKSEAGKKGPGRPTGS conjugated to KLH, corresponding to amino acids 165-181 of Human HMGB2  Run BLAST with  Run BLAST with
Positive control	WB: HEK-293T cell lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab67282 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC		Use at an assay dependent concentration.
WB	★★★★★ (1)	Use at an assay dependent concentration. Predicted molecular weight: 24 kDa.
IP		Use at an assay dependent concentration. Use 5-10µg.

Target

Function

DNA binding proteins that associates with chromatin and has the ability to bend DNA. Binds preferentially single-stranded DNA. Involved in V(D)J recombination by acting as a cofactor of the RAG complex. Acts by stimulating cleavage and RAG protein binding at the 23 bp spacer of conserved recombination signal sequences (RSS).

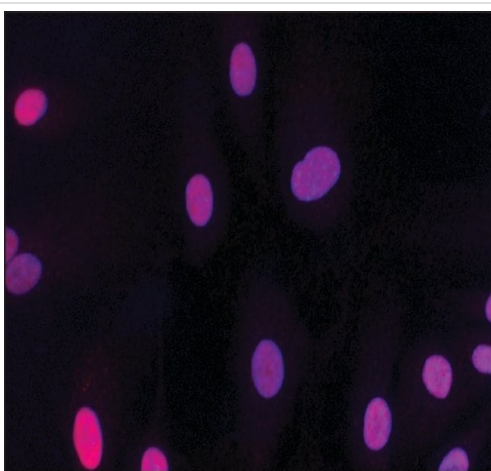
Sequence similarities

Belongs to the HMGB family.
Contains 2 HMG box DNA-binding domains.

Cellular localization

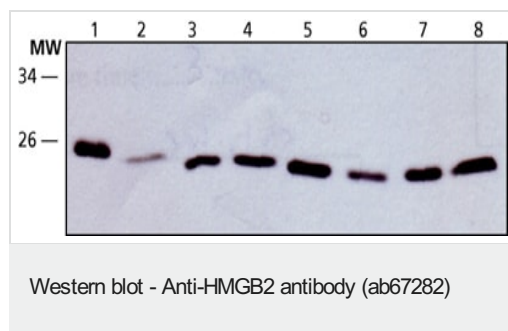
Nucleus. Chromosome.

Images



Immunocytochemistry analysis of HUVEC cells using Anti-HMGB2 antibody (red) at a 1:50 dilution, taken at 40× magnification and nuclear staining with Hoescht 33342 (blue).

Immunocytochemistry - Anti-HMGB2 antibody
(ab67282)



All lanes : Anti-HMGB2 antibody (ab67282) at 2 mg/ml

Lane 1 : NIH3T3

Lane 2 : Rat1

Lane 3 : RINSH

Lane 4 : PC12

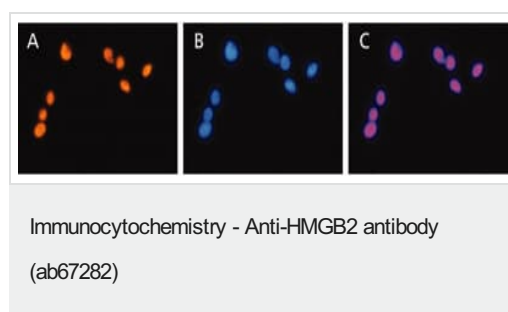
Lane 5 : K562

Lane 6 : HEK-293T

Lane 7 : HeLa nuclear

Lane 8 : HeLa

Predicted band size: 24 kDa

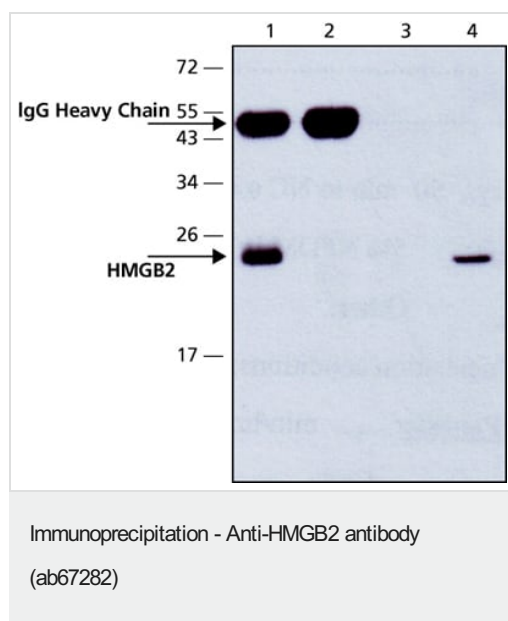


Nuclear localization of HMGB2 in PC12 cells.

A. Cells were stained with Rabbit Anti-HMGB2 (ab67282) at 1 µg/mL

B. DAPI staining

C. Merged staining of HMGB2 and DAPI indicating nuclear staining of HMGB2



Lanes

1: 5 µg of Rabbit Anti-HMGB2 (ab67282) were used to immunoprecipitate HMGB2 from HEK-293T cell lysate

2: Negative control – without cell lysate

3: Negative control – without antibody

4: Positive control – Extract of HEK-293T direct labeling

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