

## HMGB1 antibody [GT427]

Cat. No. GTX629445

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	WB, ICC/IF, IHC-Fr
Reactivity	Human, Mouse, Rat

Reference ( 1 )  
Package  
100 µl, 25 µl

## APPLICATION

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-Fr	1:100-1:1000

Not tested in other applications.

Calculated MW 25 kDa. ( [Note](#) )

## PROPERTIES

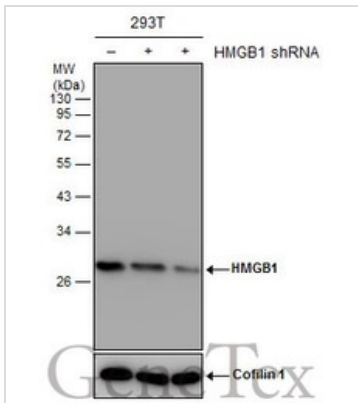
Form	Liquid
Buffer	PBS
Preservative	No preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human HMGB1. The exact sequence is proprietary.
Purification	Affinity purified by Protein G.
Conjugation	Unconjugated

**Note** For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

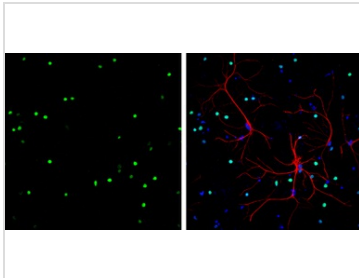
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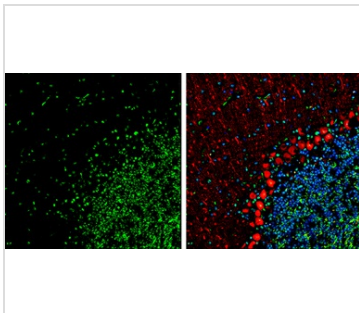
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**DATA IMAGES**

**GTX629445 WB Image**

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with HMGB1 antibody [GT427] (GTX629445) diluted at 1:2000.

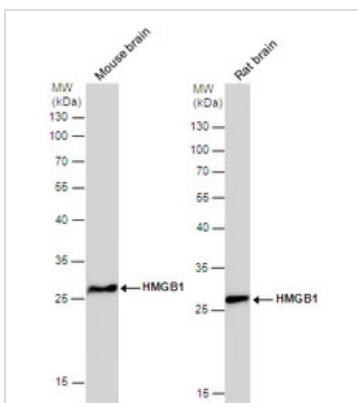

**GTX629445 ICC/IF Image**

HMGB1 antibody [GT427] detects HMGB1 protein at nucleus by immunofluorescent analysis.  
Sample: DIV9 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min.  
Green: HMGB1 protein stained by HMGB1 antibody [GT427] (GTX629445) diluted at 1:500.  
Red: GFAP, a glia cell marker, stained by GFAP antibody (GTX27260) diluted at 1:1000.  
Blue: Fluoroshield with DAPI (GTX30920).


**GTX629445 IHC-Fr Image**

HMGB1 antibody [GT427] detects HMGB1 Protein expression by immunohistochemical analysis.  
Sample: Frozen-sectioned adult mouse cerebellum.  
Green: HMGB1 stained by HMGB1 antibody [GT427] (GTX629445) diluted at 1:250.  
Red: Calbindin, stained by Calbindin antibody (GTX130856) diluted at 1:500.  
Blue: Fluoroshield with DAPI (GTX30920).

Antigen Retrieval: Citrate buffer, pH 6.0, 5 min


**GTX629445 WB Image**

HMGB1 antibody [GT427] detects HMGB1 protein by western blot analysis. Mouse tissue extracts and Rat tissue extracts (50 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with HMGB1 antibody [GT427] (GTX629445) diluted at 1:1000.



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