HMGB1 antibody [GT427]

Cat. No. GTX629445

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

References (1)
Package
100 µl, 25 µl

Applications

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 preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC 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. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

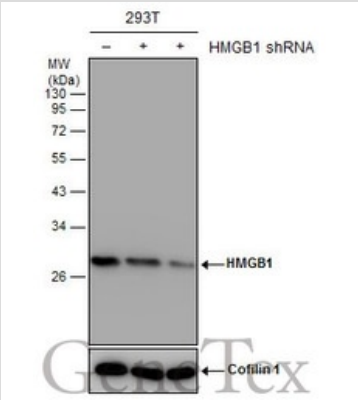
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GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com

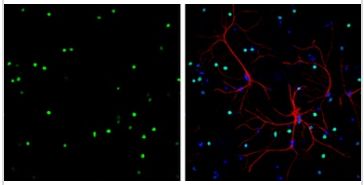
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DATA IMAGES



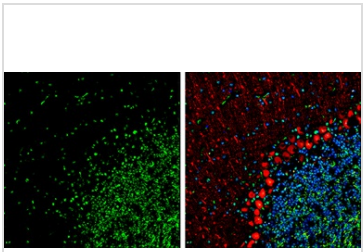
GTX629445 WB Image

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

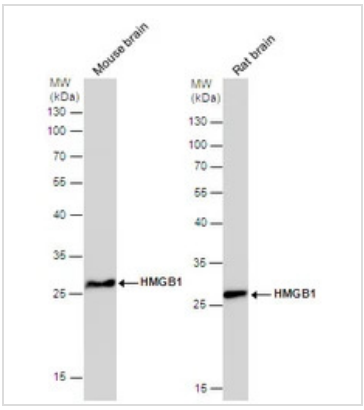
HMGB1 antibody [GT427] detects HMGB1 protein at nucleus by immunofluorescent analysis.
Sample: DIV9 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min.
Green: HMGB1 protein stained by HMGB1 antibody [GT427] (GTX629445) diluted at 1:500.
Red: GFAP, a glia cell marker,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