

Anti-HMGB1 (KO Validated) Antibody

05/20

CATALOG NO.: A2127-100 (100 µl)

BACKGROUND DESCRIPTION: This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein.

ALTERNATE NAMES: HMG-1; HMG1; HMG3; SBP-1; HMGB1

ANTIBODY TYPE: Monoclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: Synthetic peptide derived from human HMGB1

MOLECULAR WEIGHT: 25 kDa

PURIFICATION: Affinity purified

FORM: Liquid

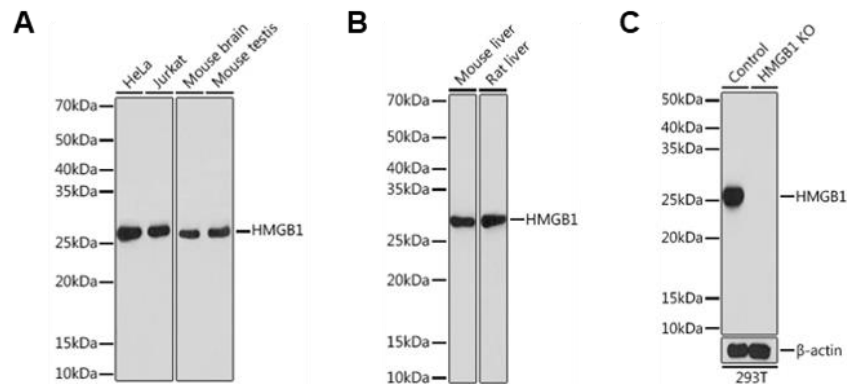
FORMULATION: In PBS with 0.02% sodium azide, 50% glycerol, pH 7.3

SPECIES REACTIVITY: Human, Mouse, Rat

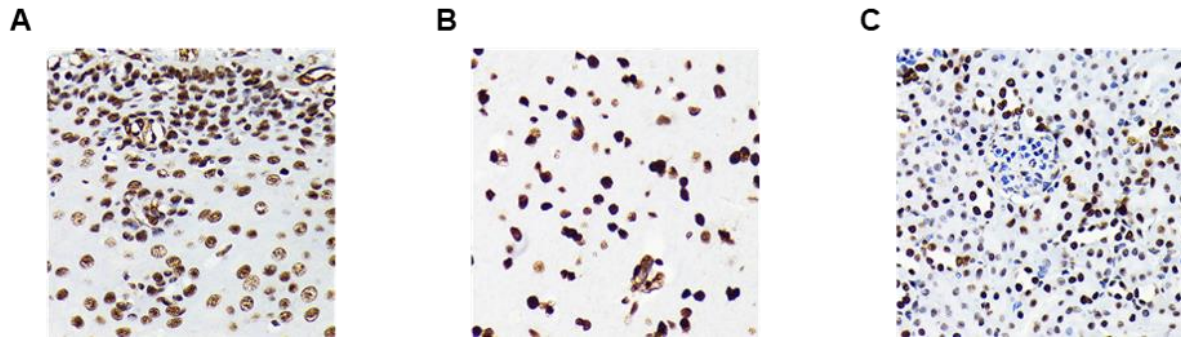
STORAGE CONDITIONS: Store at -20°C. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: WB 1:500 - 1:2000, IHC 1:50 - 1:200, IF 1:50 - 1:200

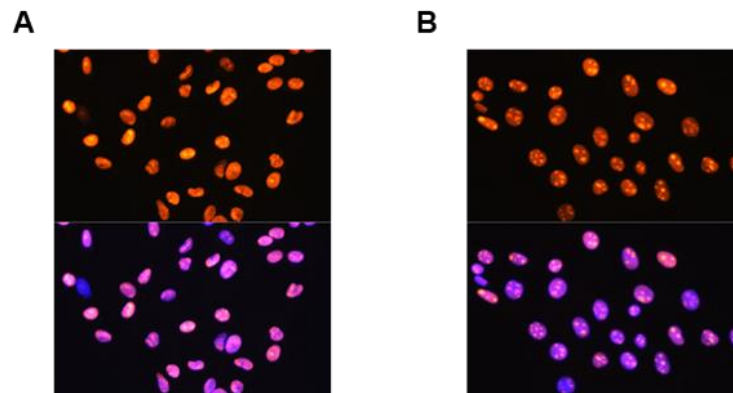
This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of HeLa, Jurkat cells, various tissue extracts (A), control and HMGB1 KO cells (B) using Anti-HMGB1 (KO Validated) antibody at 1:1000 dilution. Secondary antibody used was HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. 25 µg of lysates/proteins were loaded per lane. 3% nonfat dry milk in TBST was used as blocking buffer. ECL Enhanced Kit was used for detection. Exposure time was 5s for Blots (A), (C) and 30s for Blot (B).



Immunohistochemical analysis of paraffin embedded human esophagus (A), rat brain (B) and mouse kidney (C) tissues using Anti-HMGB1 (KO Validated) antibody at a dilution of 1:100 (Magnification: 40x).



Immunofluorescence analysis of C6 (A) and NIH/3T3 cells using Anti-HMGB1 (KO Validated) antibody at a dilution of 1:100. Blue: DAPI for nuclear staining.

RELATED PRODUCTS:

HDAC1 Antibody (3601)
TNF-alpha Antibody (3052R)
TLR4 Antibody (3253)
NFkB p65 Antibody (3038)

FOR RESEARCH USE ONLY! Not to be used on humans.