

# **HMG-1 Polyclonal Antibody**

#### Description

Product type Primary Antibody

Code BT-AP04142

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human HMGB1. AA range:131-180

Mol wt 24894

Species reactivity Human, Mouse, Rat

**Clonality** Polyclonal

Recommended application WB, IHC-p, IF, IP, ELISA

Concentration 1 mg/ml

Full name HMG-1 Antibody

Synonyms HMGB1; HMG1; High mobility group protein B1; High mobility group protein 1; HMG-1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

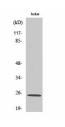
HMGB1 encodes high mobility group protein B1 that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, 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.

#### Recommended Dilution

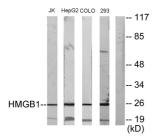
WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 IF: 1: 200 - 1: 1000 ELISA: 1: 20000

Not yet tested in other applications.

#### **Images**



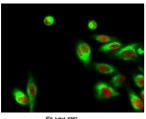
Western Blot analysis of Jurkat cells using HMG-1 Polyclonal Antibody diluted at 1:2000 cells nucleus.



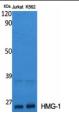
Western blot analysis of lysates from Jurkat, HepG2, COLO205, and 293 cells, using HMGB1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of huvec-uv cells using HMG-1 Polyclonal Antibody diluted at 1:2000 cells nucleus.



Immunofluorescence analysis of Hela cell. 1,HMG-1 Polyclonal Antibody(red) was diluted at 1:200(4° overnight). p53 Monoclonal Antibody(6C4)(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min).



Western Blot analysis of various cells using HMG-1 Polyclonal Antibody diluted at 1:2000 cells nucleus.

## Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com