

Recombinant

DGRmAb®

**HMGB1 (DGR12117) Rabbit mAb (PBS Only)**

db11568-PBS

Package : 10µg 100µg

**Product Name** : HMGB1 (DGR12117) Rabbit mAb (PBS Only)**Cat.No.:** db11568-PBS**Synonyms** : HMG1; HMG3; HMG-1; SBP-1**Application** : WB, IHC-P, ICC/IF, FC**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

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. [provided by RefSeq, Sep 2015]

**Immunogen**

A synthetic peptide of human HMGB1

**Gene ID**

3146

**Swiss Prot**

P09429

**Synonyms**

HMG1; HMG3; HMG-1; SBP-1

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, ICC/IF, FC

**Calculated MW**

25 kDa

**Observed MW**

25 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR12117

**Isotype**

IgG

**Purity**

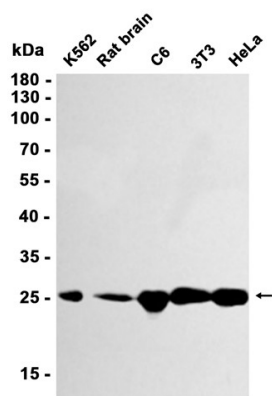
Affinity Purification

**Conjugation**

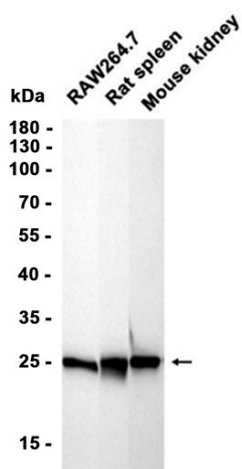
Un-conjugated

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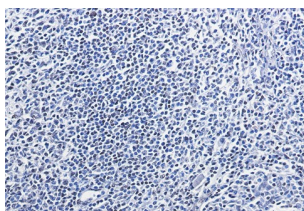
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



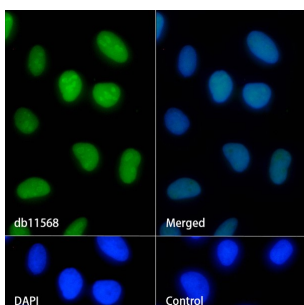
Western blot analysis of extracts from K562, C6, 3T3, HeLa cells and Rat brain tissue using [db11568](#) at 1:1000.



Western blot analysis of extracts from RAW264.7 cells and Rat spleen, Mouse kidney tissues using [db11568](#) at 1:1000.



Immunohistochemical analysis of paraffin-embedded human tonsil using [db11568](#) antibody.



Immunofluorescence analysis of HeLa cells labelling HMGB1 with [db11568](#).

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with [db11568](#) (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 [db10005](#), shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.