

## MMP2 Recombinant antibody

**Cat:**B13002L

**Company:** HaoKebio

**Uniprot ID:**P08253

**Applications:** ICC/IF: 1:100-1:200

**Organism:**Rabbit

WB: 1:1000-1:5000

**Species reactivity:**Human Mouse Rat

FC: 1:200-1:500

**Molecular Weight Calculation:** 74 kDa

**Observed Molecular Weight:** 72,64 kDa

### Background:

This gene is a member of the matrix metalloproteinase (MMP) gene family, that are zinc-dependent enzymes capable of cleaving components of the extracellular matrix and molecules involved in signal transduction. The protein encoded by this gene is a gelatinase A, type IV collagenase, that contains three fibronectin type II repeats in its catalytic site that allow binding of denatured type IV and V collagen and elastin. Unlike most MMP family members, activation of this protein can occur on the cell membrane. This enzyme can be activated extracellularly by proteases, or, intracellularly by its S-glutathiolation with no requirement for proteolytical removal of the pro-domain. This protein is thought to be involved in multiple pathways including roles in the nervous system, endometrial menstrual breakdown, regulation of vascularization, and metastasis. Mutations in this gene have been associated with Winchester syndrome and Nodulosis-Arthropathy-Osteolysis (NAO) syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms.

### Synonyms:

CLG4; MONA; CLG4A; MMP-2; TBE-1; MMP-II

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Cytoplasm

### Purity:

### Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

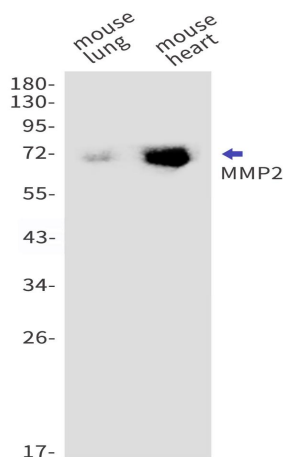
### Storage:

Store at -20 °C for one year.

### Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

### Images:



Dilution of 1:5000 incubated at room temperature for 1.5 hours.

### Source of Reagents:

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发表[英文论文]请标注:MMP2(B13002L) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

