

Recombinant

DGRmAb®

MMP2 (DGR12980) Rabbit mAb (PBS Only)

db11372-PBS

Package : 100µg

Product Name : MMP2 (DGR12980) Rabbit mAb (PBS Only)**Cat.No.:** db11372-PBS**Synonyms** : CLG4; MONA; CLG4A; MMP-2; TBE-1; MMP-II**Application** : WB, ICC/IF, FC**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**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. [provided by RefSeq, Oct 2014]

Immunogen

A synthetic peptide of human MMP2

Gene ID

4313

Swiss Prot

P08253

Synonyms

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

Reactivity

Human,Mouse,Rat

Application

WB, ICC/IF, FC

Recommended dilution

WB: 1:1000-1:5000

ICC/IF: 1:100-1:200

FC: 1:200-1:500

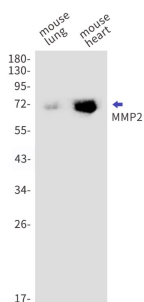
Calculated MW

74 kDa

Observed MW

72,64 kDa

Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR12980
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	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 detection of MMP2 in mouse lung,mouse heart cell lysates using MMP2 antibody(1:1000 diluted).