Pro-MMP9 Rabbit mAb

Catalog NO.: A23919 Recombinant 2 Publications

Basic Information

Observed MW
42kDa

Calculated MW
80KDa

Category
Monoclonal Antibodies

Applications
WB, ELISA

Cross-Reactivity
Mouse

Conjugation
Unconjugated

Clone number
ARC62081

Background

This gene encodes a member of the matrix metalloproteinase family of extracellular matrix-degrading enzymes that are involved in tissue remodeling, wound repair, progression of atherosclerosis and tumor invasion. The encoded preproprotein undergoes proteolytic processing to generate a mature, zinc-dependent endopeptidase enzyme that degrades collagens of type IV, V and XI, and elastin. Mice lacking the encoded protein exhibit an abnormal pattern of skeletal growth plate vascularization and ossification, reduced keratinocyte hyperproliferation at all neoplastic stages, a decreased incidence of invasive tumors, and resistance to experimental autoimmune encephalomyelitis.

Recommended Dilutions

WB	1:1000 - 1:10000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
17395

Swiss Prot
P41245

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
Clg4b; Gel B; MMP-9; B/MMP9; pro-MMP-9; Pro-MMP9

Contact

Product Information

order@abclonal.com
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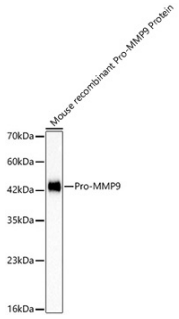
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from 5ng Mouse recombinant Pro-MMP9 Protein, using Pro-MMP9 Rabbit mAb (A23919) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 0.3s.

For research use only. Not for therapeutic or diagnostic purposes.

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