

MMP2 Antibody

Purified Mouse Monoclonal Antibody Catalog # AO1787a

Product Information

Application WB, E **Primary Accession** P08253 Reactivity Human Host Mouse Monoclonal Clonality **Clone Names** 4D1E2 Isotype IgG1 **Calculated MW** 73882 Da

Description Proteins of the matrix metalloproteinase (MMP) family are involved in the

breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades type IV collagen, the major structural component of basement membranes. The enzyme plays a role in endometrial menstrual breakdown, regulation of vascularization and the inflammatory response. Mutations in this gene have been associated with

Winchester syndrome and Nodulosis-Arthropathy-Osteolysis (NAO) syndrome. Two transcript variants encoding different isoforms have been

found for this gene.

Immunogen Purified recombinant fragment of human MMP2 (AA: 242-396) expressed in E.

Coli.

Formulation Purified antibody in PBS with 0.05% sodium azide

Additional Information

Other Names 72 kDa type IV collagenase, 3.4.24.24, 72 kDa gelatinase, Gelatinase A, Matrix

metalloproteinase-2, MMP-2, TBE-1, PEX, MMP2, CLG4A

Dilution WB~~1/500 - 1/2000 E~~1/10000

Storage Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions MMP2 Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

Protein Information

References

1.Br J Cancer. 2012 Apr 24;106(9):1495-8. 2.Iran J Immunol. 2011 Jun;8(2):120-6.

Images

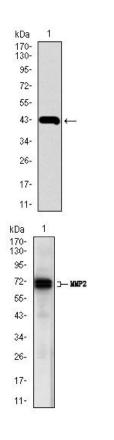


Figure 1: Western blot analysis using MMP2 mAb against human MMP2 recombinant protein. (Expected MW is 42.8 kDa)

Figure 2: Western blot analysis using MMP2 mouse mAb against A431 (1) cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.