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anti-MMP2 antibody (AA 9-140)



Images



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Quantity:	0.1 mg
Target:	MMP2
Binding Specificity:	AA 9-140
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MMP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human MMP2 (AA: 9-140) expressed in E. coli.
Clone:	2B11E6
Isotype:	lgG1
Purification:	purified

Target Details

Target:	MMP2
Alternative Name:	MMP2 (MMP2 Products)
Background:	Description: 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, intracellulary 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.

Aliases: CLG4, MONA, CLG4A, MMP-2, TBE-1, MMP-II

Molecular Weight: 73.8 kDa

Gene ID: 4313

HGNC: 5899

Pathways: Activation of Innate immune Response

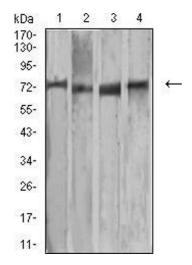
Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: , FCM: 1:200 - 1:400

Restrictions: For Research Use only

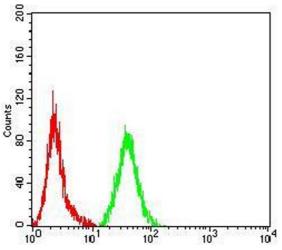
Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



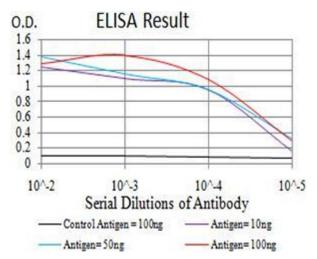
Western Blotting

Image 1. Western blot analysis using MMP2 mouse mAb against MCF-7 (1), Raw264.7 (2), HUVEC (3), and T47D (4) cell lysate.



Flow Cytometry

Image 2. Flow cytometric analysis of Hela cells using MMP2 mouse mAb (green) and negative control (red).



ELISA

Image 3. Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

Please check the product details page for more images. Overall 5 images are available for ABIN5542435.