

Anti-MMP2 Antibody

CATALOG NO.: A2310-50 (50 µg)
A2310-100 (100 µg)

BACKGROUND DESCRIPTION: Matrix metalloproteinase 2 (MMP2), a zinc-dependent enzyme capable of cleaving components of the extracellular matrix, is a member of the matrix metalloproteinase family. MMP2 can be activated extracellularly by proteases, or in the cytosol through S-glutathiolation. MMP2 is thought to be involved in multiple activities in the nervous system, endometrial menstrual breakdown, regulation of vascularization, and metastasis. Its roles in the remodeling of the vasculature, angiogenesis, tissue repair, inflammation, and tumor invasion make MMP2 a crucial tumor biomarker.

ALTERNATE NAMES: TBE-1; Neutrophil Gelatinase; CLG4A; CLG4; MMP-2; MMP-II; MONA

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: KLH-conjugated synthetic peptide corresponding to C-term region of human MMP2

PURIFICATION: Immunogen affinity chromatography

MOLECULAR WEIGHT: 74 kDa

FORM: Liquid

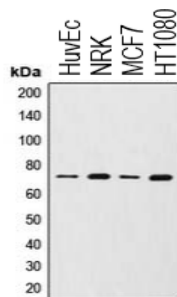
FORMULATION: In 0.42% potassium phosphate, 0.87% NaCl, pH 7.3 with 30% glycerol and 0.01% sodium azide

SPECIES REACTIVITY: Human, Mouse, Rat, Dog, Bovine, Pig

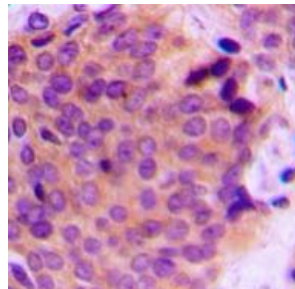
STORAGE CONDITIONS: Aliquot and store at -20 °C. Avoid repeated freeze-thaw cycles

APPLICATIONS: Western Blot (WB): 1:500 to 1:1000 dilution; Immunohistochemistry (IHC): 1:100 to 1:200 dilution
Immunofluorescence (IF): 1:100 to 1:500 dilution

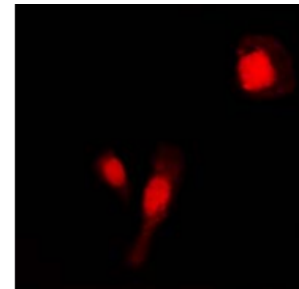
This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of lysates from various cell lines using Anti-MMP2 Antibody



IHC analysis of human breast cancer tissue sample using Anti-MMP2 Antibody



Immunofluorescence of COLO205 cells using Anti-MMP2 Antibody

RELATED PRODUCTS:

MMP-17 Antibody (Cat. No. 3537)
MMP-3 Antibody (Cat. No. 5783)
MMP-2 Antibody (Cat. No. 5562R)
MMP-12 Antibody (Cat. No. 3732)
MMP-1 Antibody (Cat. No. 5781)

FOR RESEARCH USE ONLY! Not to be used on humans.