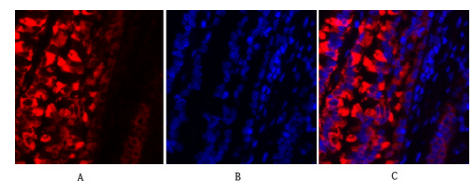
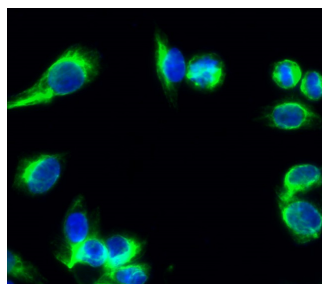
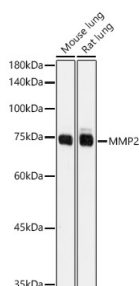


Cat. No:	AB-82332
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human MMP-2. AA range:611-660
Reactivity:	Human;Mouse;Rat;Monkey Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300 Immunofluorescence: 1/200 - 1/1000 ELISA: 1/20000
Applications:	
Molecular Weight:	74kD
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Synonyms:	MMP2; CLG4A; 72 kDa type IV collagenase; 72 kDa gelatinase; Gelatinase A; Matrix metalloproteinase-2; MMP-2; TBE-1 matrix metalloproteinase 2(MMP2) Homo sapiens 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.
Background:	
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage:	Store at -20°C. Avoid repeated freeze-thaw cycles.



Immunofluorescence analysis of rat-lung tissue. 1, MMP-2 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was

Western blot analysis of various lysates,
using MMP2 Rabbit pAb at 1:1000
dilution.

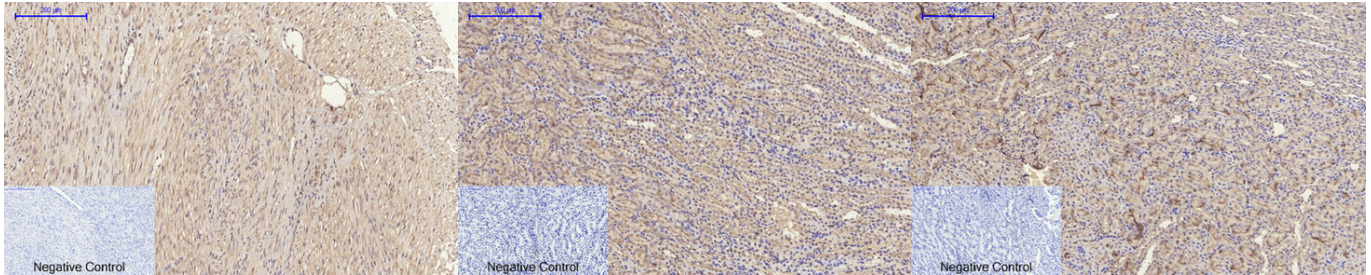
Secondary antibody: HRP Goat Anti-
Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in
TBST.

Detection: ECL West Pico Plus.
Exposure time: 1s.

Immunofluorescence analysis of Hela
cell.

1, MMP-2 Polyclonal Antibody(green) was
diluted at 1:200(4° overnight).
2, Goat Anti Rabbit Alexa Fluor 488
Catalog:RS3211 was diluted at
1:1000(room temperature, 50min).
3 DAPI(blue) 10min

diluted at 1:300(room temperature,
50min).3, Picture B: DAPI(blue) 10min.
Picture A:Target. Picture B: DAPI. Picture
C: merge of A+B



Immunohistochemical analysis of
paraffin-embedded Human-uterus-
cancer tissue.

1, MMP-2 Polyclonal Antibody was diluted
at 1:200(4°C, overnight).
2, Sodium citrate pH 6.0 was used for
antibody retrieval(>98°C, 20min).
3, Secondary antibody was diluted at
1:200(room temperature, 30min).
Negative control was used by secondary
antibody only.

Immunohistochemical analysis of
paraffin-embedded Mouse-kidney tissue.

1, MMP-2 Polyclonal Antibody was diluted
at 1:200(4°C, overnight).
2, Sodium citrate pH 6.0 was used for
antibody retrieval(>98°C, 20min).
3, Secondary antibody was diluted at
1:200(room temperature, 30min).
Negative control was used by secondary
antibody only.

Immunohistochemical analysis of
paraffin-embedded Rat-kidney tissue.

1, MMP-2 Polyclonal Antibody was diluted
at 1:200(4°C, overnight).
2, Sodium citrate pH 6.0 was used for
antibody retrieval(>98°C, 20min).
3, Secondary antibody was diluted at
1:200(room temperature, 30min).
Negative control was used by secondary
antibody only.