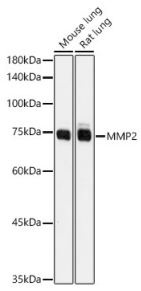
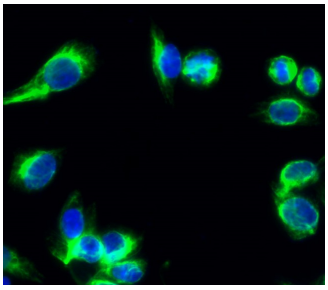
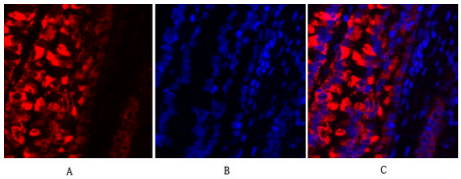
Product Data Sheet:
MMP-2 Rabbit Polyclonal Antibody

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
Applications:	Western Blot: 1/500 – 1/2000. Immunohistochemistry: 1/100 – 1/300 Immunofluorescence: 1/200 – 1/1000 ELISA: 1/20000
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
Background:	matrix metallopeptidase 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, 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.
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage:	Store at -20℃. 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 labled Secondary antibody was

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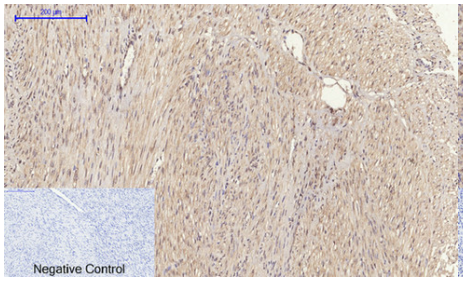
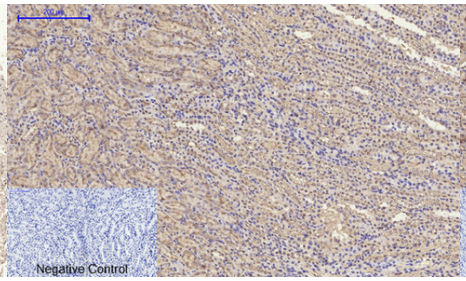
Western blot analysis of various lysates, using MMP2 Rabbit pAb at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL West Pico Plus.
Exposure time: 1s.

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

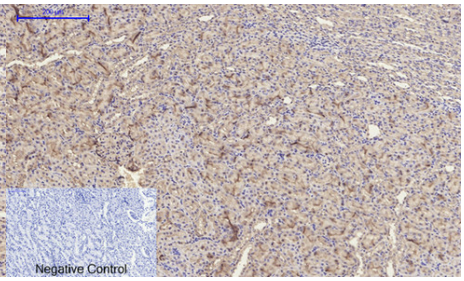
diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



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.