

## MMP-13 Antibody

Catalog No: #21695

Package Size: #21695-1 50ul #21695-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

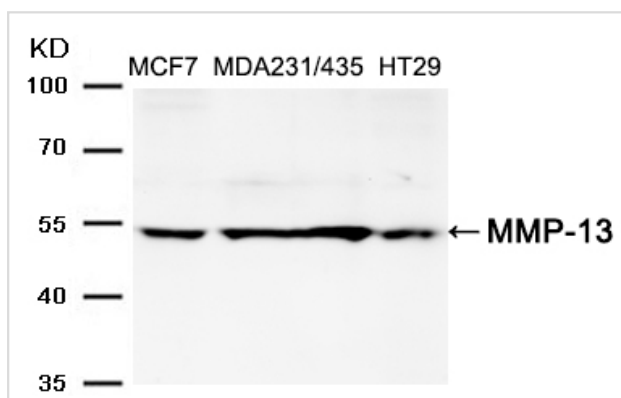
## Description

Product Name	MMP-13 Antibody
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total MMP-13 protein.
Immunogen Description	Peptide sequence around aa.355~359 (F-W-A-L-N) derived Human from MMP-13.
Target Name	MMP-13
Other Names	CLG3; Collagenase 3; MANDP1; matrix metalloproteinase 13; MMP13
Accession No.	Swiss-Prot: P45452NCBI Protein: NP_002418.1
Uniprot	P45452
GeneID	4322;
SDS-PAGE MW	53kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from MCF,MDA231,MDA435 and HT29 cells using MMP-13 AntibodyB #21695.

## Background

Plays a role in the degradation of extracellular matrix proteins including fibrillar collagen, fibronectin, TNC and ACAN. Cleaves triple helical collagens, including type I, type II and type III collagen, but has the highest activity with soluble type II collagen. Can also degrade collagen type IV, type XIV and

type X. May also function by activating or degrading key regulatory proteins, such as TGFB1 and CTGF. Plays a role in wound healing, tissue remodeling, cartilage degradation, bone development, bone mineralization and ossification. Required for normal embryonic bone development and ossification. Plays a role in the healing of bone fractures via endochondral ossification. Plays a role in wound healing, probably by a mechanism that involves proteolytic activation of TGFB1 and degradation of CTGF. Plays a role in keratinocyte migration during wound healing. May play a role in cell migration and in tumor cell invasion.

Guo A, et al. Proc Natl Acad Sci U S A 105, 692-7(2008)

Rikova K, et al. Cell 131, 1190-203 (2007)

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Note: This product is for in vitro research use only