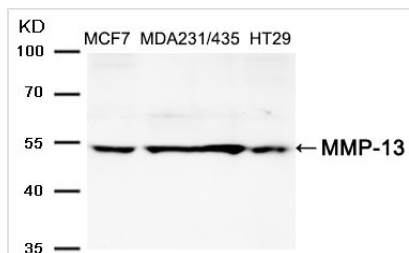




MMP13 Antibody

Product Code	CSB-PA981877
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P45452
Immunogen	Peptide sequence around aa.355~359 (F-W-A-L-N) derived Human from MMP-13.
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total MMP-13 protein.
Tested Applications	ELISA,WB;WB:1:500-1:1000
Relevance	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)
Form	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Clonality	Polyclonal
Alias	CLG3; Collagenase 3; MANDP1; matrix metallopeptidase 13; MMP13
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	MMP13
Image	



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