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## 35-1863: Polyclonal Antibody to MMP-13

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|---|---|
| **Clonality :** | Polyclonal |
| **Application :** | WB |
| **Reactivity :** | Human,Mouse,Rat |
| **Gene :** | MMP13 |
| **Gene ID :** | 4322 |
| **Uniprot ID :** | P45452 |
| **Format :** | Purified |
| **Alternative Name :** | CLG3, Collagenase 3, MANDP1, matrix metallopeptidase 13, MMP13 |
| **Isotype :** | Rabbit IgG |
| **Immunogen Information :** | Peptide sequence around aa.355~359 (F-W-A-L-N) derived Human from MMP-13. |

## Description

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.

## Product Info

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| **Amount :** | 50 µl / 100 µl |
| **Content :** | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Storage condition :** | Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles. |

## Application Note

Western blotting: 1:500~1:1000

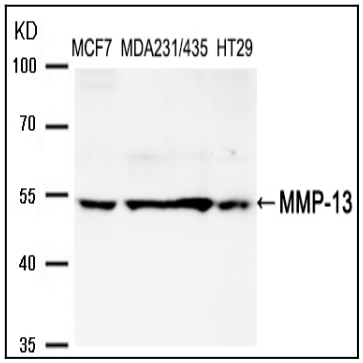


Figure 1: Western blot analysis of extracts from MCF, MDA231, MDA435 and HT29 cells using MMP-13 AntibodyÂ  35-1863 .