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**Product Name: MMP12 Rabbit Monoclonal Antibody****Catalog #: AMRe85791**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IP
<b>Reactivity</b>	Human,Rat,Hamster
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IP 1:10-1:20
<b>Molecular Weight</b>	Calculated MW: 54 kDa; Observed MW: 54,45 kDa

**Antigen Information**

<b>Gene Name</b>	MMP12
<b>Alternative Names</b>	Macrophage metalloelastase; MME; 3.4.24.65; Macrophage elastase; ME; hME; Matrix metalloproteinase-12; MMP-12; MMP12; HME
<b>Gene ID</b>	4321.0
<b>SwissProt ID</b>	P39900
<b>Immunogen</b>	A synthetic peptide of human MMP12

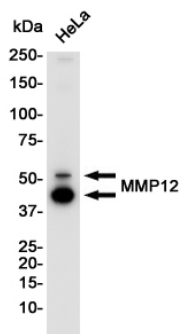
**Background**

MMP-12 lacks a transmembrane domain and furin cleavage site. The zymogen for MMP-12 is about 54 kDa, and is quickly activated to the 45 kDa form, and this breaks down to cascade of active forms, ending with the common 22 kDa

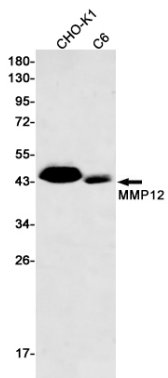
form. Stimulated macrophages produce MMP-12; it has also been found in osteosarcoma cells, synovial fibroblasts and lung fibroblasts.

## Research Area

## Image Data



Western blot analysis of MMP12 in HeLa lysates using MMP12 antibody.



Western blot analysis of MMP12 in CHO-K1, C6 lysates using MMP12 antibody.