

## Datasheet

### MMP12 MaxPab rabbit polyclonal antibody (D01)

**Catalog Number:** H00004321-D01

**Regulation Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against a full-length human MMP12 protein.

**Immunogen:** MMP12 (NP\_002417.2, 1 a.a. ~ 470 a.a) full-length human protein.

**Sequence:**

MKFLILLLLQATASGALPLNSSTSLEKNNVLFGERYLEK  
FYGLEINKLPVTMKMKYSGNLMKEKIQEMQHFLGLKVTG  
QLDTSTLEMMHAPRCGVPDVHVFREMPGGPVWRKH  
YITYRINNYTPDMNREDVDYAIRKAFQVWSNVTPKF  
KINTGMADILVVFARGAHGDFHAFDGKGGILAHAFGPG  
SGIGGDAHFEDEFWTTTHSGGTNLFLTAVHEIGHSLG  
LGHSSDPKAVMFPTYKYVDINTFRLSADDIRGIQSLYG  
DPKENQRLPNPDNSEPALCDPNLSFDAVTTVGNKIFF  
KDRFFWLKVSRPKTSVNLISLWPTLP SGIEAA YEIEA  
RNQVFLFKDDKYWLISNLRPEPNYPKSIHSFGFPNFVK  
KIDAAVFNPRFYRTYFFVDNQYWRYDERRQMMDPGY  
PKLITKNFQGIGPKIDAVFYSKNKYYYFFQGSNQFEYD  
FLLQRITKTLKSNSWFGC

**Host:** Rabbit

**Reactivity:** Human, Rat

**Applications:** IP, WB-Ce, WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Storage Buffer:** No additive

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 4321

**Gene Symbol:** MMP12

**Gene Alias:** HME, MGC138506, MME

**Gene Summary:** Proteins of the matrix

metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. It is thought that the protein encoded by this gene is cleaved at both ends to yield the active enzyme, but this processing has not been fully described. The enzyme degrades soluble and insoluble elastin. It may play a role in aneurysm formation and studies in mice suggest a role in the development of emphysema. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq]