

Product datasheet for **AP06228PU-N**

MMP15 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1/500–1/1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 630–680 of Human MMP-15.
Specificity:	This antibody detects endogenous levels of MMP-15 protein. (region surrounding Leu646)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff – Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2–8°C for one month or (in aliquots) at –20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 76, 80 kDa
Gene Name:	matrix metalloproteinase 15
Database Link:	Entrez Gene 4324 Human P51511



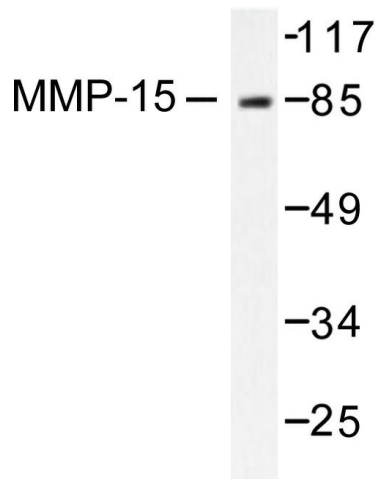
Background:

The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc. MMP-9 (also designated 92 kDa type IV collagenase or gelatinase B) has been shown to degrade bone collagens in concert with MMP-1 (also designated interstitial collagenase, fibroblast collagenase or collagenase-1), and cysteine proteases and may play a role in bone osteoclastic resorption. MMP-1 is downregulated by p53, and abnormality of p53 expression may contribute to joint degradation in rheumatoid arthritis by regulating MMP-1 expression.

Synonyms:

MMP15, Matrix metalloproteinase-15, Membrane-type matrix metalloproteinase 2, MT-MMP 2, MTMMP2, Membrane-type-2 matrix metalloproteinase, MT2-MMP, MT2MMP, SMCP-2

Product images:



Western blot (WB) analysis of MMP-15 antibody in extracts from MDA-MB-435 cells.