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Performance guaranteed

MMP13 Polyclonal Antibody

Catalog Number **PA5-32926**

Product data sheet

Details	
Size	50 µg
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	Synthetic 17 amino acid peptide from C-terminus of human MMP13.
Conjugate	Unconjugated
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.1% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Species Reactivity	
Species reactivity	Human

Tested Applications	Dilution *
Immunohistochemistry (Paraffin) (IHC (P))	50 µg/mL

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%); Marmoset, Dog, Bovine, Elephant (94%); Panda, Horse, Rabbit, Pig (88%); Mouse, Rat, Sheep (82%). For IHC(P), use heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen.

Background/Target Information

MMP13 (collagense 3) plays a role in the degradation of extracellular matrix proteins including fibrillar collagen, fibronectin, TNC, and ACAN. MMP13 cleaves tripal helical collagens, including type I, II, and III collagen - but has the highest activity with soluble type II collagen. It can degrade collagen type IV, XIV, and X. MMP13 plays a role in wound healing, tissue remodeling, cartilage degradation, bone development, bone mineralization, and ossification. It is required for normal embryonic bone development and ossificaiton. Mutations affecting the gene can lead to spondyloepimetaphyseal dysplasia Missouri type, metaphyseal anadysplasia 1, and metaphyseal dysplasia Sphar type.

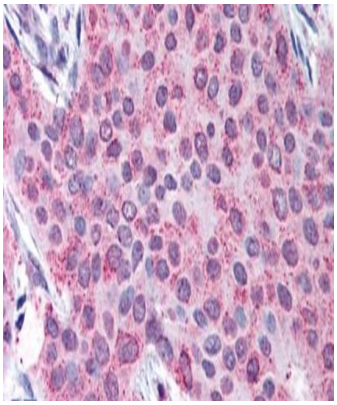
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Product Images For MMP13 Polyclonal Antibody



MMP13 Antibody (PA5-32926) in IHC (P)

Immunohistochemical analysis of formalin-fixed paraffin-embedded human breast carcinoma using a MMP13 polyclonal antibody (Product # PA5-32926). Heat-induced antigen retrieval was performed prior to staining.

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