Datasheet for ABIN5647596

anti-MMP13 antibody (AA 109-154)

1 Image

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Overview

Quantity:	100 µg
Target:	MMP13
Binding Specificity:	AA 109-154
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	Amino acids 109-154 (RTLKWSKMNLTYRIVNYTPDMTHSEVEKAFKKAFKVWSDVTPLNFT-human) were used as the immunogen for the MMP13 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	MMP13
Alternative Name:	MMP13 / Collagenase 3 (MMP13 Products)
Background:	Collagenase 3 is an enzyme that in humans is encoded by the MMP13 gene. This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this 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

Target Details

	processes, such as arthritis and metastasis. The encoded preproprotein is proteolytically processed to generate the mature protease. This protease cleaves type II collagen more efficiently than types I and III. It may be involved in articular cartilage turnover and cartilage pathophysiology associated with osteoarthritis. Mutations in this gene are associated with metaphyseal anadysplasia. This gene is part of a cluster of MMP genes on chromosome 11.
UniProt:	P45452

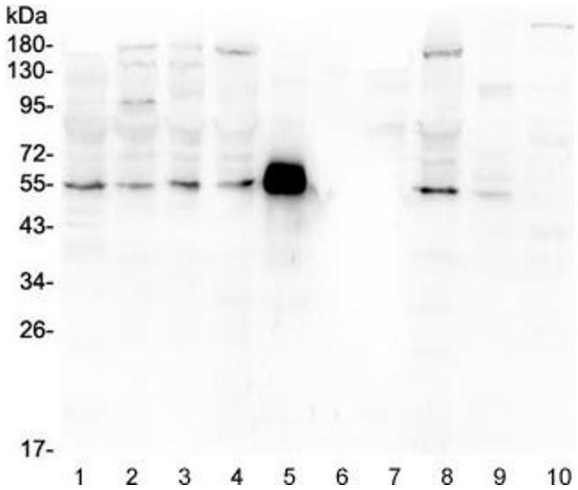
Application Details

Application Notes:	Optimal dilution of the MMP13 antibody should be determined by the researcher.\. Western blot: 0.5-1 µg/mL
Restrictions:	For Research Use only

Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the MMP13 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of human HeLa cell lysate with MMP13 antibody at 0.5ug/ml. Predicted molecular weight ~54 kDa.