

Anti-MMP3 Antibody (9U749)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 52 kDa. Actual: 60 kDa.
Clone:	9U749
Purification:	Protein A purified

Applications

Verified Activity:	Sample:
	Lane 1: Recombinant human MMP-3 protein
	Primary: Anti-MMP3 (TMAB-08878) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
	Predicted band size: 52 kDa
	Observed band size: 60 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human MMP-3 protein
Antigen Species:	Human
Gene ID:	4314
Uniprot ID:	P08254

Research Background

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. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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