

Product datasheet for **TA354741**

MMP7 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to the C-terminus of human MMP-7. This sequence is identical among bovine and monkey.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	30 kDa, (18 kDa)
Gene Name:	matrix metalloproteinase 7
Database Link:	NP_002414 Entrez Gene 4316 Human P09237



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Background:

Matrix metalloproteinases (MMPs) belong to a family of proteinases that target many extracellular matrix proteins including additional proteinases, growth factors, cell surface receptors and adhesion molecules. MMPs contain common domain structures that include a signal sequence, a propeptide, a catalytic domain, and a hemopexin-like (Hpx) domain. The MMP activity requires proteolytic cleavage of MMPs in order to generate active MMPs by release of the inhibitory propeptide domain from the whole molecules. MMP-2, MMP-3, MMP-7, MMP-9 and MMP-13 have been characterized as important factors for normal tissue remodeling during embryo development and wound healing, tumor invasion, angiogenesis, carcinogenesis and apoptosis. MMP activities are correlated with cancer metastatic process. MMP-7, also known as matrilysin/PUMP-1, plays an important role in hydrolyzing proteoglycans and ECM glycoproteins. It is also expressed in normal cells, specifically glandular epithelial cells. In pancreatic carcinoma, the higher expression of MMP-2, 7 and 11 is observed.

Synonyms:

MMP-7; MPLS1; PUMP-1

Protein Families:

Druggable Genome, Protease

Protein Pathways:

Wnt signaling pathway

Product images:

WB: The protein derived from the whole cell lysate of APMA stimulated A431 was resolved onto 12% SDS-PAGE, transferred to NC membrane, followed by immunoblotting with Rabbit anti-MMP-7 at 1:1000.