Datasheet for ABIN735413

anti-MMP12 antibody (AA 201-300)

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Overview

Quantity:	100 µL
Target:	MMP12
Binding Specificity:	AA 201-300
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MMP12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from rat MMP12
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat
Purification:	Purified by Protein A.

Target Details

Target:	MMP12
Alternative Name:	MMP-12 (MMP12 Products)
Background:	Synonyms: Mme, Macrophage metalloelastase, Matrix metalloproteinase-12, MMP-12, Mmp12,

Target Details

	Mmel Background: May be involved in tissue injury and remodeling. Has significant elastolytic activity. Can accept large and small amino acids at the P1' site, but has a preference for leucine. Aromatic or hydrophobic residues are preferred at the P1 site, with small hydrophobic residues (preferably alanine) occupying P3 (By similarity).
Gene ID:	117033
UniProt:	Q63341

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

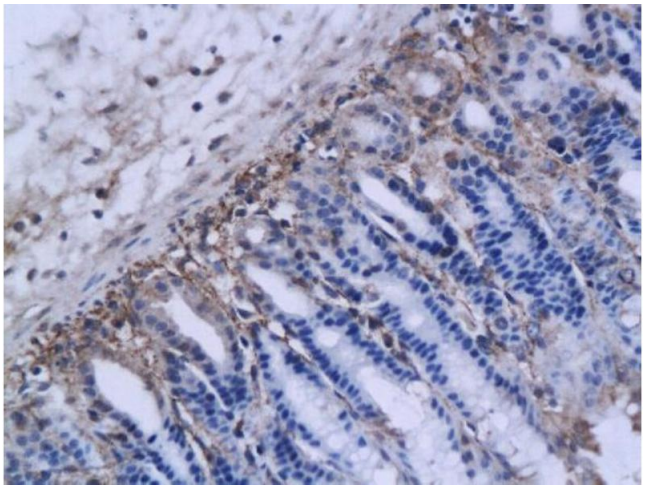
Publications

Product cited in:	Hashimoto, Zaima, Sekiguchi, Kugo, Miyamoto, Hoshino, Kawasaki, Sutoh, Usumi, Moriyama: " Dietary DNA Attenuates the Degradation of Elastin Fibers in the Aortic Wall in Nicotine-Administrated Mice." in: **Journal of nutritional science and vitaminology**, Vol. 64, Issue 4, pp. 271-276, (2019) (PubMed).

Publications

Kugo, Zaima, Onozato, Miyamoto, Hashimoto, Yanagimoto, Moriyama: "Suppressive effects of dietary EPA-rich fish oil on the degradation of elastin fibers in the aortic wall in nicotine-administered mice." in: **Food & function**, Vol. 8, Issue 8, pp. 2829-2835, (2017) (PubMed).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse ovarian tissue labeled with Anti-MMP-12, Unconjugated (ABIN735413) followed by conjugation to the secondary antibody