Datasheet for ABIN5701112

anti-MMP13 antibody

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Overview

Quantity:	100 µg
Target:	MMP13
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MMP13 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	matrix metallopeptidase 13 (collagenase 3)
Isotype:	IgG

Target Details

Target:	MMP13
Alternative Name:	MMP13 (MMP13 Products)
Background:	Synonyms:CLG3, Collagenase 3, Matrix metalloproteinase 13, MMP 13, MMP13 Background:Plays a role in the degradation of extracellular matrix proteins including fibrillar collagen, fibronectin, TNC and ACAN. Cleaves triple helical collagens, including type I, type II and type III collagen, but has the highest activity with soluble type II collagen. Can also degrade collagen type IV, type XIV and type X. May also function by activating or degrading key regulatory proteins, such as TGFB1 and CTGF. Plays a role in wound healing, tissue remodeling,

Target Details

	cartilage degradation, bone development, bone mineralization and ossification. Plays a role in keratinocyte migration during wound healing. May play a role in cell migration and in tumor cell invasion.It can detect the glycosylated proMMP-13(70 kDa), unglycosylated proform(54 kDa).
Molecular Weight:	50-52 kDa
Gene ID:	4322
UniProt:	P45452

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	MDA-MB-453s cells were subjected to SDS PAGE followed by western blot with FNab05235(MMP13 Antibody) at dilution of 1:600
Restrictions:	For Research Use only

Handling

Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze / thaw cycles.
Storage:	-20 °C
Expiry Date:	12 months