

## Anti-MMP2 Antibody (2V694)

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 74 kDa. Actual: 72 kDa.
Clone:	2V694
Purification:	Protein A purified

## Applications

Verified Activity:	<p>1. 25 ug total protein per lane of various lysates (see on figure) probed with MMP2 monoclonal antibody, unconjugated (TMAB-08873) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p> <p>2. The U-87MG (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-MMP2 antibody (TMAB-08873, 1: 100); Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.</p>
Application:	WB,ICC/IF,FCM
Recommended	WB: 1:500-2000; ICC/IF: 1:50-200; FCM: 1:50-100

## 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:	A synthesized peptide: human MMP2
Antigen Species:	Human
Gene ID:	4313
Uniprot ID:	P08253

## Research Background

Ubiquitous metalloproteinase that is involved in diverse functions such as remodeling of the vasculature, angiogenesis, tissue repair, tumor invasion, inflammation, and atherosclerotic plaque rupture. As well as degrading extracellular matrix proteins, can also act on several nonmatrix proteins such as big endothelial 1 and beta-type CGRP promoting vasoconstriction. Also cleaves KISS at a Gly-|-Leu bond.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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