

## Anti-MMP15 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Dog,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 61/76 kDa. Actual: 61 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample: Heart (Mouse) lysate at 30 µg; Primary: Anti-MMP15 (TMAB-08868) at 1:300 dilution; Secondary: HRP conjugated Goat-Anti-rabbit IgG at 1: 5000 dilution; Predicted band size: 61 kD Observed band size: 61 kD
	2. Sample: Liver (Mouse) Lysate at 40 µg Primary: Anti-MMP15 (TMAB-08868) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61 kD Observed band size: 61 kD
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:	KLH conjugated synthetic peptide: human MMP15
Antigen Species:	Human
Gene ID:	4324
Uniprot ID:	P51511

### 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. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. [provided by RefSeq, Jul 2008].

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