

## Product datasheet for **TA350973S**

### MMP2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human gastric cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human MMP2
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	matrix metalloproteinase 2
Database Link:	<a href="#">NP_004521</a> <a href="#">Entrez Gene 17390 Mouse</a> <a href="#">Entrez Gene 81686 Rat</a> <a href="#">Entrez Gene 4313 Human</a> <a href="#">P08253</a>

**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. This gene encodes an enzyme which degrades type IV collagen, the major structural component of basement membranes. The enzyme plays a role in endometrial menstrual breakdown, regulation of vascularization and the inflammatory response.

**Synonyms:** CLG4; CLG4A; MMP-2; MMP-II; MONA; TBE-1

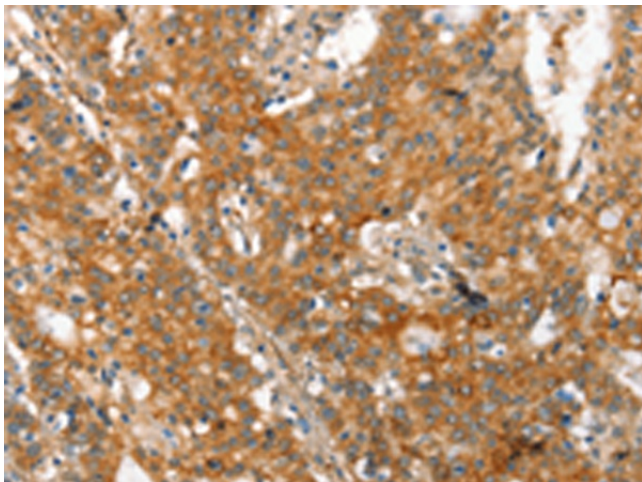


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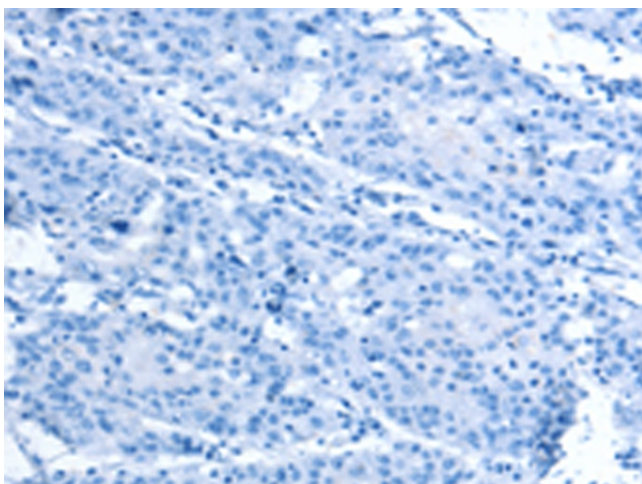
**Protein Families:** Druggable Genome, Protease

**Protein Pathways:** Bladder cancer, GnRH signaling pathway, Leukocyte transendothelial migration, Pathways in cancer

**Product images:**



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA350973] (MMP2 Antibody) at dilution 1/60 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA350973] (MMP2 Antibody) at dilution 1/60, treated with synthetic peptide. (Original magnification:  $\times 200$ )