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Goat Anti-MMP7 Antibody

Peptide-affinity purified goat antibody

Catalog # AF1674a

Specification

Goat Anti-MMP7 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P09237
Other Accession	NP_002414, 4316
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**29677**

Goat Anti-MMP7 Antibody - Additional Information

Gene ID 4316

Other Names
Matrilysin, 3.4.24.23, Matrin, Matrix metalloproteinase-7, MMP-7, Pump-1 protease, Uterine metalloproteinase, MMP7, MPSL1, PUMP1

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-MMP7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-MMP7 Antibody - Protein Information

Name MMP7

Synonyms MPSL1, PUMP1

Function
Degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase.

Cellular Location
Secreted, extracellular space, extracellular matrix

Goat Anti-MMP7 Antibody - Protocols

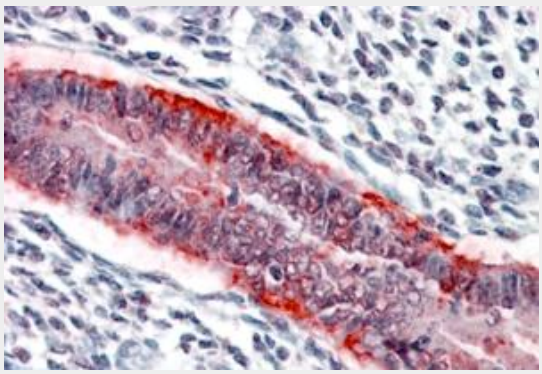
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-MMP7 Antibody - Images



AF1674a (0.03 µg/ml) staining of Human Breast lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1674a (3.8 µg/ml) staining of paraffin embedded Human Uterus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Goat Anti-MMP7 Antibody - 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. The enzyme encoded by this gene degrades proteoglycans, fibronectin,

elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal protein domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

Goat Anti-MMP7 Antibody - References

Clinical Impact of MMP and TIMP Gene Polymorphisms in Gastric Cancer. Alakus H, et al. World J Surg, 2010 Aug 21. PMID 20730428.
Matrix metalloproteinase-3 promoter polymorphisms but not dupA-H. pylori correlate to duodenal ulcers in H. pylori-infected females. Yeh YC, et al. BMC Microbiol, 2010 Aug 13. PMID 20707923.
A genetic association study of maternal and fetal candidate genes that predispose to preterm prelabor rupture of membranes (PROM). Romero R, et al. Am J Obstet Gynecol, 2010 Jul 29. PMID 20673868.
Association of Matrix Metalloproteinases 1, 7, and 9 Gene Polymorphisms with Genetic Susceptibility to Colorectal Carcinoma in a Han Chinese Population. Fang WL, et al. DNA Cell Biol, 2010 Jul 27. PMID 20662554.
Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624.