

Datasheet: AHP1081

BATCH NUMBER 150497

Description:	GOAT ANTI HUMAN MMP-7
Specificity:	MMP-7
Other names:	MATRILYSIN
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/64000
Immunoprecipitation			▪	
Western Blotting	▪			0.03 - 0.1ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human MMP7 were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein	IgG concentration 0.5 mg/ml

Concentrations

Immunogen Peptide sequence C-QKLYGKRSNSRKK corresponding to the C-terminus of MMP7 (NP_002414.1).

External Database

Links

UniProt:

[P09237](#) [Related reagents](#)

Entrez Gene:

[4316](#) MMP7 [Related reagents](#)

Synonyms MPSL1, PUMP1

RRID AB_2144333

Specificity

Goat anti Huma MMP7 antibody recognises matrix metalloproteinase 7 (MMP7), a ~30 kDa member of the MMP family. MMP's are secreted as inactive zymogens which are activated when proteolytically cleaved by extracellular proteinases. They are involved in processes such as embryonic development, reproduction and tissue remodelling where they breakdown the extracellular matrix. This action is also exploited by diseases processes including arthritis and metastasis. MMP7 degrades casein, fibronectin, gelatin types I, III, IV, V, and activates procollagenase. This metalloproteinase has been identified as an activator of the Notch signalling pathway, and is also involved in wound healing and the regulation of defensins in intestinal mucosa.

Western Blotting

AHP1081 detects a band of approximately 28kDa in human breast, ovary and placenta cell lysates. A minimum incubation time of 1 hour is recommended with this antibody.

Further Reading

1. Gaire, M. *et al.* (1994) Structure and expression of the human gene for the matrix metalloproteinase matrilysin. [J Biol Chem. 269 \(3\): 2032-40.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10058 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1081>
10058

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M353081:190409'

Printed on 01 Mar 2024

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