

Datasheet for ABIN6263289
anti-MMP 9 antibody (C-Term)

5 Images

13 Publications

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Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | MMP 9 (MMP9) |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MMP 9 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF) |

Product Details

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|-----------------------|---|
| Immunogen: | A synthesized peptide derived from human MMP9, corresponding to a region within C-terminal amino acids. |
| Isotype: | IgG |
| Specificity: | MMP9 Antibody detects endogenous levels of total MMP9. |
| Predicted Reactivity: | Pig,Horse |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

Target Details

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|---------|--------------|
| Target: | MMP 9 (MMP9) |
|---------|--------------|

Target Details

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|-------------------|--|
| Alternative Name: | MMP9 (MMP9 Products) |
| Background: | Description: May play an essential role in local proteolysis of the extracellular matrix and in leukocyte migration. Could play a role in bone osteoclastic resorption. Cleaves KiSS1 at a Gly-I-Leu bond. Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments. Degrades fibronectin but not laminin or Pz-peptide. Gene: MMP9 |
| Molecular Weight: | 78 kDa |
| Gene ID: | 4318 |
| UniProt: | P14780 |
| Pathways: | Cellular Response to Molecule of Bacterial Origin , Positive Regulation of Immune Effector Process , CXCR4-mediated Signaling Events |

Application Details

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|--------------------|---|
| Application Notes: | IF/ICC 1:200, IHC-p 1:50-1:200, WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |
| Expiry Date: | 12 months |

Publications

Product cited in:

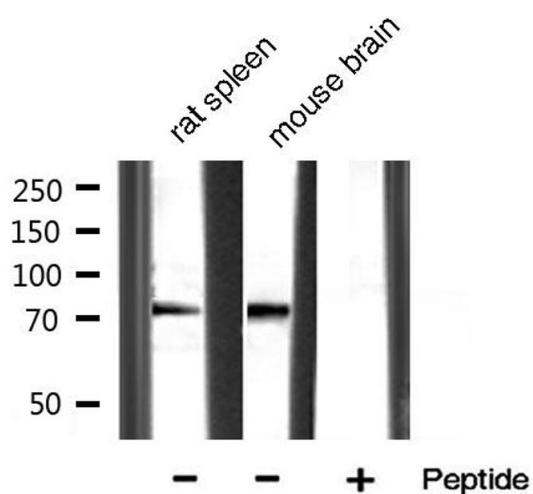
Deng, Bu, Mo, Lv, Song, Xiao, Dan, Yang: "Huang Gan Formula Eliminates the Oxidative Stress Effects of Advanced Oxidation Protein Products on the Divergent Regulation of the Expression of AGEs Receptors via the JAK2/STAT3 Pathway." in: **Evidence-based complementary and alternative medicine : eCAM**, Vol. 2017, pp. 4520916, (2018) ([PubMed](#)).

Chai, Bai, Li, Chen, Zhang: "Biological functions of lung cancer cells are suppressed in co-culture with mesenchymal stem cells isolated from umbilical cord." in: **Experimental and therapeutic medicine**, Vol. 15, Issue 1, pp. 1076-1080, (2018) ([PubMed](#)).

Wang, Li, Chen, Yang: "Umbilical cord-derived mesenchymal stem cells can inhibit the biological functions of melanoma A375 cells." in: **Oncology reports**, Vol. 40, Issue 1, pp. 511-517, (2018) ([PubMed](#)).

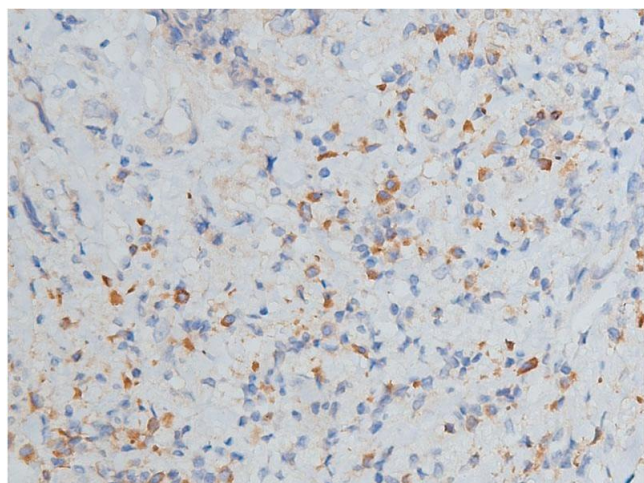
There are more publications referencing this product on: [Product page](#)

Images



Western Blotting

Image 1. Western blot analysis of extracts of various sample, using MMP-9 Antibody.



Immunohistochemistry

Image 2. ABIN6268776 at 1/200 staining human breast cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Immunofluorescence (fixed cells)

Image 3. ABIN6268776 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6263289.