

Rabbit anti-Human MMP-2 Polyclonal Antibody | anti-MMP-2 antibody

Anti-MMP-2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258731	Rabbit	Human	ELISA, Immunoprecipitation, Western Blot

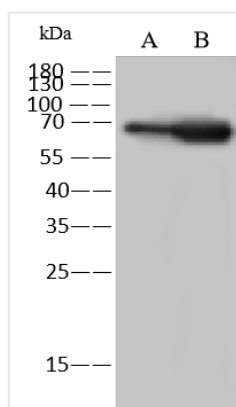
PRODUCT SYNONYMS

MMP-2; Polyclonal Antibody; Anti-MMP-2 Antibody; Rabbit Polyclonal; matrix metalloproteinase 2; Anti-CLG4 Antibody; Anti-CLG4A Antibody; Anti-MMP-II Antibody; Anti-MONA Antibody; Anti-TBE-1 Antibody; anti-MMP-2 antibody

PRODUCT SPECIFICATIONS

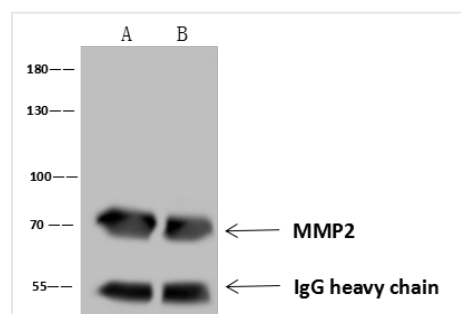
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MMP-2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MMP-2 antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Recombinant Human MMP-2 Protein
Preparation	Produced in rabbits immunized with purified, recombinant Human MMP-2 (rh MMP-2). MMP-2 specific IgG was purified by Human MMP-2 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-MMP2 rabbit polyclonal antibody at 1:500 dilution Lane A: A375 Whole Cell Lysate Lane B: HepG2 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 73 kDa Observed band size: 73 kDa



IP (Immunoprecipitation)

MMP2 was immunoprecipitated using: Lane A: 0.5 mg A375 Whole Cell Lysate Lane B: 0.5 mg MCF-7 Whole Cell Lysate 4 uL anti-MMP2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-MMP2 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 70 kDa Observed band size: 70 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-MMP-2 antibody	Matrix Metalloproteinase-2 (MMP-2) is an enzyme that degrades components of the extracellular matrix and thus plays a pivotal role in cell migration during physiological and pathological processes. MMP-2 expression is dependent on extracellular matrix metalloproteinase inducer (EMMPRIN), Her2/neu, growth factors, cytokines, and hormones. Pro-MMP-2 activation needs MT1-MMP and TIMP-2 contribution. MMP-2 is changed in distribution and increased in amount in the ventral cochlear nucleus after unilateral cochlear ablation. A low level of MMP-2 is linked to a favorable prognosis in patients with a hormone receptor-negative tumor, usually associated with high risk. As a zymogen requiring proteolytic activation for catalytic activity, MMP-2 has been implicated broadly in the invasion and metastasis of many cancer model systems, including human breast cancer (HBC). Blocking MMP-2 secretion and activation during breast carcinoma development may decrease metastasis. The detection of active MMP-2 alone or the rate of pro-MMP-2 and active MMP-2 is considered a very sensitive indicator of cancer metastasis. Modulation of MMP-2 expression and activation through specific inhibitors and activators may thus provide a new mechanism for breast cancer treatment.
References	Thompson EW, et al. (1994) Collagen induced MMP-2 activation in human breast cancer. Breast Cancer Res Treat. 31(2-3): 357-70.Jezierska A, et al. (2009) Matrix metalloproteinase-2 involvement in breast cancer progression: a mini-review. Med Sci Monit. 15(2): RA32-40. Fredrich M, et al. (2010) MMP-2 is involved in synaptic remodeling after cochlear lesion. Neuroreport. 21(5): 324-7.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mmp-2-antibody-immunoprecipitation-western-blot-elisa/258731>