

Anti-a-MMP9 [4A3]

Catalogue number: 151622

Sub-type: Primary antibody

Images:

Contributor

Inventor: Ayham Alnabulsi

Institute: Vertebrate Antibodies Limited

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-a-MMP9 [4A3]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix (ECM) in normal physiological processes as well as in disease processes. Tissue inhibitors of metalloproteinases (TIMPs) are the main physiological regulators of the MMPs. The TIMPs are secreted proteins that complex with individual MMPs and regulate the activity of specific MMPs. Together, the MMPs and TIMPs form a complex biological system strictly controlling degradation of ECM. The MMPs and TIMPs have a significant role in facilitating tumour invasion and metastasis

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 kappa

Reactivity: Human ; Rat

Selectivity:

Host: Mouse

Immunogen: Ovalbumin-conjugated synthetic peptide; acetylated-FQTFEGDLK

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: IHC: Formaldehyde-fixed, wax-embedded oesophageal adenocarcinoma Western Blot Activated recombinant MMP-9, 400ng per lane

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Activated MMP9 (matrix metalloproteinase 9)

Target alternate names:

Target background: Matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix (ECM) in normal physiological processes as well as in disease processes. Tissue inhibitors of metalloproteinases (TIMPs) are the main physiological regulators of the MMPs. The TIMPs are secreted proteins that complex with individual MMPs and regulate the activity of specific MMPs. Together, the MMPs and TIMPs form a complex biological system strictly controlling degradation of ECM. The MMPs and TIMPs have a significant role in facilitating tumour invasion and metastasis

Molecular weight:

Ic50:

Applications

Application: ELISA ; IHC ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Sreekanth et al. 2011. Oncogene. 30(28):3139-52. PMID: 21317920. ; Molecular evidences for the chemosensitizing efficacy of liposomal curcumin in paclitaxel chemotherapy in mouse models of cervical cancer. ; Jeffery et al. 2009. Histopathology. 54(7):820-8. PMID: 19635101. ; The matrix metalloproteinase/tissue inhibitor of matrix metalloproteinase profile in colorectal polyp cancers. ; Lyall et al. 2006. Clin Cancer Res. 12(4):1184-91. PMID: 16489072. ; Profiling markers of prognosis in colorectal cancer. ; Curran et al. 2004. Clin Cancer Res. 10(24):8229-34. PMID: 15623598. ; Matrix metalloproteinase/tissue inhibitors of matrix metalloproteinase phenotype identifies poor prognosis colorectal cancers. ; Murray et al. 1998. Gut. 43(6):791-7. PMID: 9824606. ; Matrix metalloproteinases and their inhibitors in gastric cancer. ; Duncan et al. 1998. Eur J Biochem. 258(1):37-43. PMID: 9851689. ; Human matrix metalloproteinase-9: activation by limited trypsin treatment and generation of monoclonal antibodies specific for the activated form. ; Murray et al. 1998. J Pathol. 185(3):256-61. PMID: 9771478. ; Matrix metalloproteinase-1 is associated with poor prognosis in oesophageal cancer.

CancerTools.org