info@arigobio.com

ARG55262
anti-MMP3 antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MMP3
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MMP3
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 30-59 (N-terminus) of Human MMP3.
Conjugation	Un-conjugated
Alternate Names	Transin-1; CHDS6; EC 3.4.24.17; SL-1; STMY1; Matrix metalloproteinase-3; STR1; STMY; MMP-3; Stromelysin-1

Application Instructions

Application table

Application	Dilution
ICC/IF	1:10 - 1:50
IHC-P	1:10 - 1:50
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

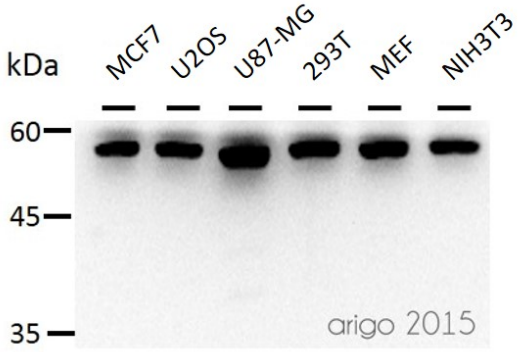
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

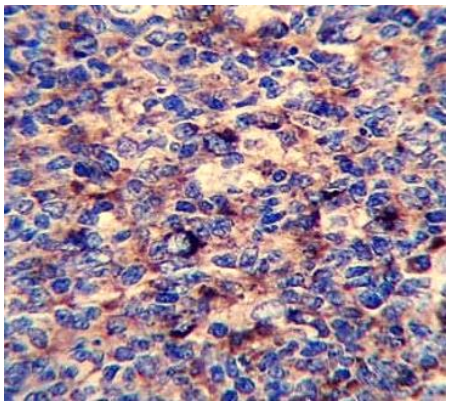
Database links	GeneID: 17392 Mouse GeneID: 4314 Human Swiss-port # P08254 Human Swiss-port # P28862 Mouse
Gene Symbol	MMP3
Gene Full Name	matrix metallopeptidase 3
Background	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological 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. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]
Function	Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Signaling Transduction antibody
Calculated Mw	54 kDa
Cellular Localization	Secreted, extracellular space, extracellular matrix

Images



ARG55262 anti-MMP3 antibody WB image

Western blot: 30 µg of MCF7, U2OS, U87-MG, 293T, MEF and NIH3T3 cell lysates stained with ARG55262 anti-MMP3 antibody at 1:500 dilution.



ARG55262 anti-MMP3 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsil tissue stained with ARG55262 anti-MMP3 antibody.