

ARG58125 anti-TIMP3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TIMP3
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TIMP3
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 175-211 of Human TIMP3.
Conjugation	Un-conjugated
Alternate Names	HSMRK222; K222TA2; TIMP-3; Protein MIG-5; K222; SFD; Metalloproteinase inhibitor 3; Tissue inhibitor of metalloproteinases 3

Application Instructions

Application table	Application	Dilution
	IHC-P	1 - 2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10mM Citrate buffer (pH 6.0) for 10-20 min followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

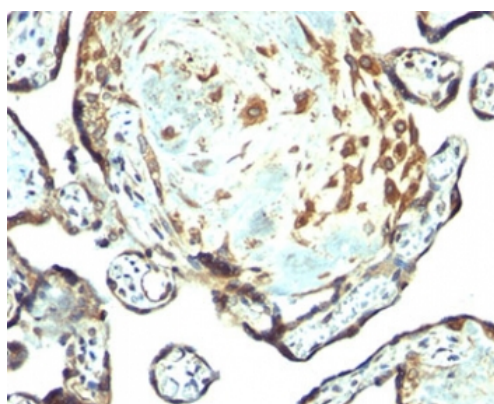
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4)
Concentration	0.2 mg/ml
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

Gene Symbol	TIMP3
Gene Full Name	TIMP metalloproteinase inhibitor 3
Background	This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy. [provided by RefSeq, Jul 2008]
Function	Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. May form part of a tissue-specific acute response to remodeling stimuli. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-9, MMP-13, MMP-14 and MMP-15. [UniProt]
Calculated Mw	24 kDa
Cellular Localization	Cytoplasmic. [UniProt]

Images



ARG58125 anti-TIMP3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue stained with ARG58125 anti-TIMP3 antibody.
