

Product datasheet

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ARG41944 anti-TIMP3 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes TIMP3

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name TIMP3

Species Human

Immunogen Synthetic peptide within aa. 100 to the C-terminus of Human TIMP3 (NP_000353.1).

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
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	293T	
Observed Size	~ 20 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

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. 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 metallopeptidase 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]

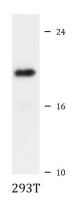
Function Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding

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 Secreted, extracellular space, extracellular matrix. [UniProt]

Images



ARG41944 anti-TIMP3 antibody WB image

Western blot: 25 μg of 293T cell lysate stained with ARG41944 anti-TIMP3 antibody at 1:1000 dilution.