



Rabbit Anti-S100A4 monoclonal antibody, clone TE311-19 (CABT-L770)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	S100A4
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TE311-19
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	12 kDa
Cellular Localization	Extracellular space, nucleus
Positive Control	NIH/3T3, MCF-7, Hela, human tonsil tissue, mouse lung tissue, human lung tissue, human gastric carcinoma tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	The Mts1 gene encodes a small acidic Ca²⁺-binding protein, Mts1 (also designated S100A4, calvasculin or metastasin). Mts1 belongs to the S100 family of small Ca²⁺-binding proteins and is expressed in a cell-specific manner. Mts1 protein is involved in tumor progression and metastasis, and also has a significant stimulatory effect on angiogenesis. The level of Mts1 protein in serum increases with aging, suggesting that Mts1 may play a role in the induction of tumor progression via stimulation of angiogenesis. In addition, Mts1 cooperates with p53 in apoptosis induction by binding to the C-terminal regulatory domain of p53 to inhibit the DNA binding activity of p53. The ability of Mts1 to enhance p53-dependent apoptosis may accelerate the loss of p53 function in tumors. Thus, Mts1 can contribute to the development of a more aggressive phenotype during tumor progression.
Keywords	18A2;42A;calcium Placental protein;Calvasculin;CAPL;Fibroblast specific protein 1 (FSP1);Fibroblast specific protein 1;Fibroblast specific protein;FSP1;Leukemia multidrug resistance associated protein;Malignant transformation suppression 1 (MTS1);Malignant transformation suppression 1;Metastasin;MTS1;OTTHUMP00000015467;OTTHUMP00000015468;P9KA;PEL98;Placental calcium-binding protein;Protein Mts1;Protein S100 A4;Protein S100-A4;S100 calcium binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog);S100 calcium binding protein A4;S100 calcium-binding protein A4;S100a4;S10A4_HUMAN antibody