

Rabbit anti-Human Malignant T-cell-amplified sequence 1 Polyclonal Antibody | anti-MCTS1 antibody

Rabbit anti-human Malignant T-cell-amplified sequence 1 polyclonal Antibody(MCTS1)

CATALOG # AAA118987	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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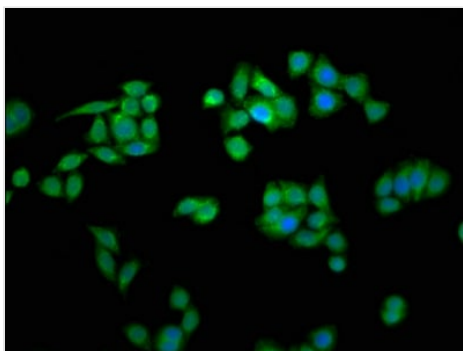
PRODUCT SYNONYMS

Malignant T-cell-amplified sequence 1; Polyclonal Antibody; Rabbit anti-human Malignant T-cell-amplified sequence 1 polyclonal Antibody(MCTS1); MCT-1; Multiple copies T-cell malignancies; MCT1; MCTS1; anti-MCTS1 antibody

PRODUCT SPECIFICATIONS

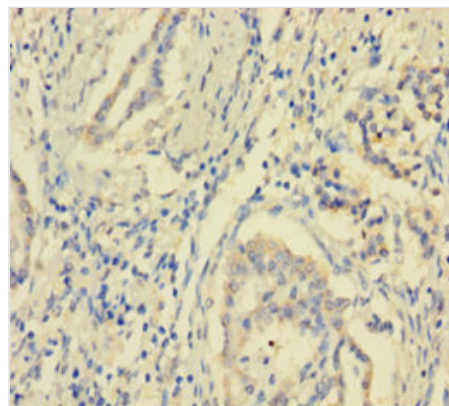
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Sequence Length	182
Applicable Applications for anti-MCTS1 antibody	IHC (Immunohistochemistry), ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human Malignant T-cell-amplified sequence 1 protein(1-181AA)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-168563
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of PC3 cells with AAA118987 at 1:266, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human pancreatic cancer using AAA118987 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-MCTS1 antibody

Anti-oncogene that play a role in cell cycle regulation; decreases cell doubling time and anchorage-dependent growth; shortens the duration of G1 transit time and G1/S transition. When constitutively expressed, increases CDK4 and CDK6 kinases activity and CCND1/cyclin D1 protein level, as well as G1 cyclin/CDK complex formation. Involved in translation initiation; promotes recruitment of aminoacylated initiator tRNA to P site of 40S ribosomes. Can promote release of deacylated tRNA and mRNA from recycled 40S subunits following ABCE1-mediated dissociation of post-termination ribosomal complexes into subunits. Plays a role as translation enhancer; recruits the density-regulated protein/DENR and binds to the cap complex of the 5'-terminus of mRNAs, subsequently altering the mRNA translation profile; up-regulates protein levels of BCL2L2, TFDP1, MRE11A, CCND1 and E2F1, while mRNA levels remains constant. Hyperactivates DNA damage signaling pathway; increased gamma-irradiation-induced phosphorylation of histone H2AX, and induces damage foci formation. Increases the overall number of chromosomal abnormalities such as larger chromosomes formation and multiples chromosomal fusions when overexpressed in gamma-irradiated cells. May play a role in promoting lymphoid tumor development: lymphoid cell lines overexpressing MCTS1 exhibit increased growth rates and display increased protection against apoptosis. May contribute to the pathogenesis and progression of breast cancer via promotion of angiogenesis through the decline of inhibitory THBS1/thrombospondin-1, and inhibition of apoptosis. Involved in the process of proteasome degradation to down-regulate Tumor suppressor p53/TP53 in breast cancer cell; Positively regulates phosphorylation of MAPK1 and MAPK3. Involved in translation initiation; promotes aminoacylated initiator tRNA to P site of 40S ribosomes. Can promote release of deacylated tRNA and mRNA from recycled 40S subunits following ABCE1-mediated dissociation of post-termination ribosomal complexes into subunits.

NCBI AND UNIPROT INFORMATION

NCBI GI #	212276121
NCBI GeneID	28985
NCBI Accession #	NP_001131026.1
NCBI GenBank Nucleotide #	NM_001137554.1
UniProt Accession #	Q9ULC4; Q502X6; B4DGY2
Molecular Weight	20,550 Da
NCBI Official Full Name	malignant T-cell-amplified sequence 1 isoform 2
NCBI Official Synonym Full Names	malignant T-cell amplified sequence 1
NCBI Official Symbol	MCTS1
NCBI Official Synonym Symbols	MCT1; MCT-1
NCBI Protein Information	malignant T-cell-amplified sequence 1
UniProt Protein Name	Malignant T-cell-amplified sequence 1
UniProt Gene Name	MCTS1
UniProt Synonym Gene Names	MCT1; MCT-1
UniProt Entry Name	MCTS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/malignant-t-cell-amplified-sequence-1-antibody-immunohistochemistry-elisa/118987>