

Rabbit MCTS1 Polyclonal Antibody | anti-MCTS1 antibody

MCTS1 Polyclonal Antibody

CATALOG # AAA177723	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence
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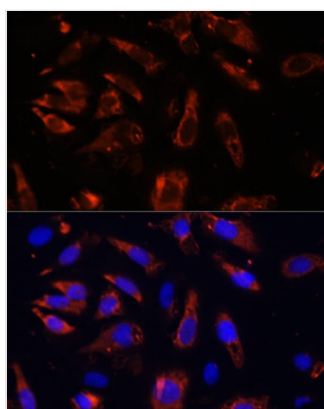
PRODUCT SYNONYMS

MCTS1; Polyclonal Antibody; MCTS1 Polyclonal Antibody; MCT-1; MCT1; anti-MCTS1 antibody

PRODUCT SPECIFICATIONS

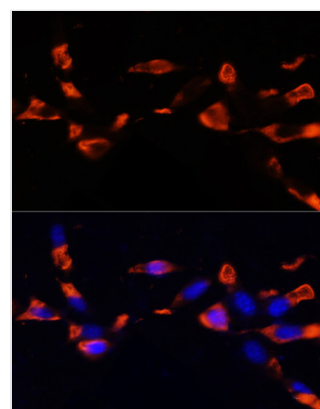
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-MCTS1 antibody	IF (Immunofluorescence)
Immunogen	Recombinant fusion protein of human MCTS1 (NP_0547791)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



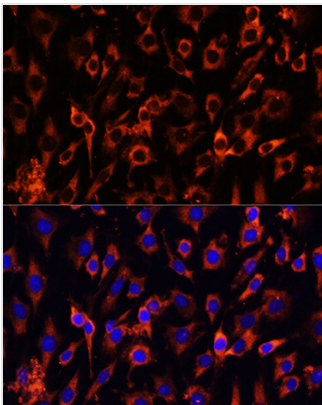
IF (Immunofluorescence)

Immunofluorescence analysis of U-2OS cells using MCTS1 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using MCTS1 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using MCTS1 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

ADDITIONAL INFORMATION

Related Product Information for anti-MCTS1 antibody	MCTS1 (malignant T cell amplified sequence 1), also known as MCT1, is a 181 amino acid protein that is ubiquitously expressed and localizes to the cytoplasm of cells. MCTS1 may play a role in cell cycle regulation by decreasing cell doubling time and by shortening the duration of G1 transit time and G1/S transition. The protein level of Cdk4 and Cdk6 kinases activity and cyclin D1 is enhanced by expression of MCTS1. As a translation enhancer, MCTS1 recruits DENR and binds to the cap complex of the 5'-terminus of mRNAs, subsequently altering the mRNA translation profile. MCTS1 promotes lymphoid tumor development and contributes to the pathogenesis and progression of breast cancer. MCTS1 positively regulates phosphorylation of ERK1 and ERK2.
Product Categories/Family for anti-MCTS1 antibody	Cancer; Polyclonal Antibody

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; multiple copies T-cell malignancies
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.

