

Rabbit anti-Human ICT1 Polyclonal Antibody | anti-ICT1 antibody

ICT1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290940	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

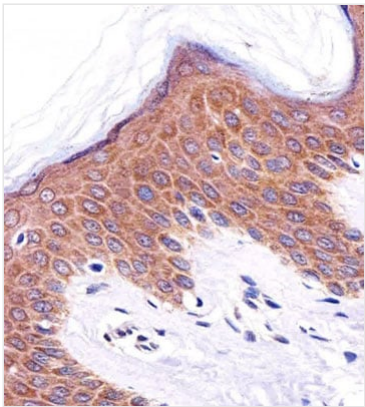
PRODUCT SYNONYMS

ICT1; Polyclonal Antibody; ICT1 Antibody (C-term); DS1; Peptidyl-tRNA hydrolase ICT1; mitochondrial; Digestion subtraction 1; Immature colon carcinoma transcript 1 protein; anti-ICT1 antibody

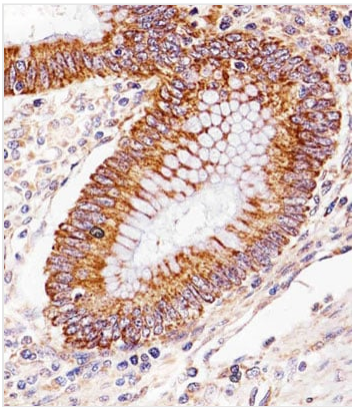
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ICT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 153-179 amino acids from the C-terminal region of human ICT1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Applicable Applications for anti-ICT1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Function	Essential peptidyl-tRNA hydrolase component of the mitochondrial large ribosomal subunit. Acts as a codon-independent translation release factor that has lost all stop codon specificity and directs the termination of translation in mitochondrion, possibly in case of abortive elongation. May be involved in the hydrolysis of peptidyl-tRNAs that have been prematurely terminated and thus in the recycling of stalled mitochondrial ribosomes.
Cellular Location	Mitochondrion
Tissue Location	Down-regulated during the in vitro differentiation of HT29-D4 colon carcinoma cells.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

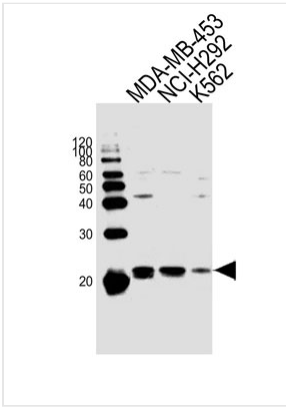
IMAGES



IHC (Immunohistochemisry)
Immunohistochemical analysis of paraffin-embedded H. skin section using ICT1 Antibody (C-term) (AAA290940). It was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



IHC (Immunohiostchemistry)
Immunohistochemical analysis of paraffin-embedded H. colorectal carcinoma section using ICT1 Antibody (C-term) (AAA290940) . It was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



WB (Western Blot)
Western blot analysis of lysates from MDA-MB-453,NCI-H292,K562 cell line (from left to right), using ICT1 Antibody (C-term) (AAA290940). It was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.Lysates at 20ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-ICT1 antibody	Description: Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab) Background: Essential peptidyl-tRNA hydrolase component of the mitochondrial large ribosomal subunit. Acts as a codon-independent translation release factor that has lost all stop codon specificity and directs the termination of translation in mitochondrion, possibly in case of abortive elongation. May be involved in the hydrolysis of peptidyl-tRNAs that have been prematurely terminated and thus in the recycling of stalled mitochondrial ribosomes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557657
NCBI GeneID	3396
NCBI Accession #	NP_001536.1
NCBI GenBank Nucleotide #	NP_001536.1
UniProt Accession #	Q14197
Molecular Weight	H=24 KDa
NCBI Official Full Name	peptidyl-tRNA hydrolase ICT1, mitochondrial isoform 1

NCBI Official Synonym Full Names	mitochondrial ribosomal protein L58
NCBI Official Symbol	MRPL58
NCBI Official Synonym Symbols	DS1; DS-1; ICT1; MRP-L58
NCBI Protein Information	peptidyl-tRNA hydrolase ICT1, mitochondrial
UniProt Protein Name	Peptidyl-tRNA hydrolase ICT1, mitochondrial
UniProt Gene Name	ICT1
UniProt Synonym Gene Names	DS1; MRP-L58; DS-1
UniProt Entry Name	ICT1_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://www.aaabiotech.com/polyclonal/ict1-antibody-immunohistochemistry-western-blot-elisa/290940>