

Rabbit ICT1 Polyclonal Antibody | anti-ICT1 antibody

ICT1 Antibody

CATALOG # AAA323029	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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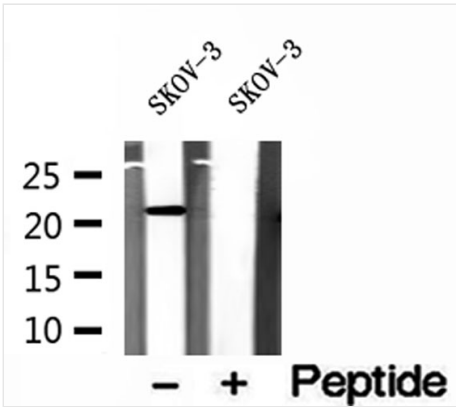
PRODUCT SYNONYMS

ICT1; Polyclonal Antibody; ICT1 Antibody; Digestion substraction 1; DS-1; DS1; Ict1; ICT1_HUMAN; Immature colon carcinoma transcript 1; Immature colon carcinoma transcript 1 protein; mitochondrial; Peptidyl-tRNA hydrolase ICT1; anti-ICT1 antibody

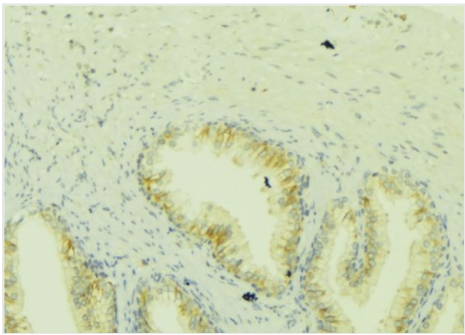
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ICT1 antibody detects endogenous levels of ICT1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	229
Applicable Applications for anti-ICT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ICT1.
Subcellular Location	Mitochondrion.
Tissue Specificity	Down-regulated during the in vitro differentiation of HT29-D4 colon carcinoma cells.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (83%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (92%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of SKOV-3 cells, using ICT1 antibody.



IHC (Immunohistochemistry)
AAA323029 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ICT1 antibody	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. Subunit Structure: Component of the mitochondrial large ribosomal subunit (mt-LSU). Mature mammalian 55S mitochondrial ribosomes consist of a small (28S) and a large (39S) subunit. The 28S small subunit contains a 12S ribosomal RNA (12S mt-rRNA) and 30 different proteins. The 39S large subunit contains a 16S rRNA (16S mt-rRNA), a copy of mitochondrial valine transfer RNA (mt-tRNA(Val)), which plays an integral structural role, and 52 different proteins. Similarity: Belongs to the prokaryotic/mitochondrial release factor family. Mitochondrion-specific ribosomal protein mL62 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	737676317
NCBI GeneID	3396
NCBI Accession #	NP_001290194.1
NCBI GenBank Nucleotide #	NM_001303265.1
UniProt Accession #	Q14197; Q53HM7; Q53Y11; B2RAD1
Molecular Weight	Observed: 21-24 kDa Predicted: 24 kDa
NCBI Official Full Name	peptidyl-tRNA hydrolase ICT1, mitochondrial isoform 2
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	MRPL58
UniProt Synonym Gene Names	DS1; ICT1; MRP-L58; DS-1

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/323029>