

ARG55701 anti-ICT1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ICT1
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ICT1
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 153-179 (C-terminus) of Human ICT1.
Conjugation	Un-conjugated
Alternate Names	39S ribosomal protein L58, mitochondrial; DS-1; MRP-L58; DS1; Peptidyl-tRNA hydrolase ICT1, mitochondrial; EC 3.1.1.29; Digestion subtraction 1; Immature colon carcinoma transcript 1 protein

Application Instructions

Application table	Application	Dilution
	IHC-P	1:25
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	K562	

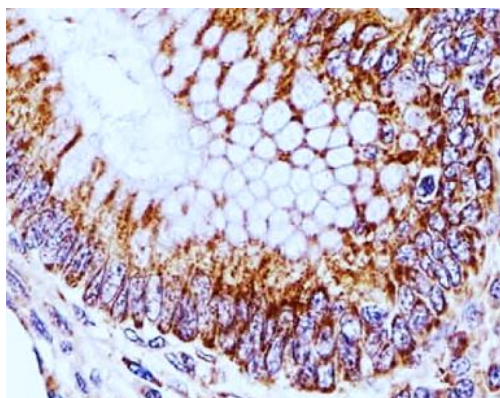
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

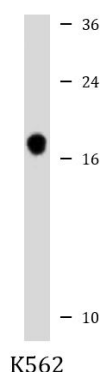
Database links	GeneID: 3396 Human Swiss-port # Q14197 Human
Gene Symbol	ICT1
Gene Full Name	immature colon carcinoma transcript 1
Background	The protein encoded by this gene is a peptidyl-tRNA hydrolase and a vital component of the large mitochondrial ribosome. The encoded protein serves as a ribosome release factor for this ribosome, which translates mitochondrial genes. This protein may be responsible for degrading prematurely-terminated polypeptides and for reusing stalled ribosomes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014]
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. [UniProt]
Calculated Mw	24 kDa
Cellular Localization	Mitochondrion

Images



ARG55701 anti-ICT1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colorectal carcinoma tissue stained with ARG55701 anti-ICT1 antibody at 1:25 dilution.



ARG55701 anti-ICT1 antibody WB image

Western blot: 35 µg of K562 cell lysate stained with ARG55701 anti-ICT1 antibody.