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Datasheet for ABIN6262440

anti-ICT1 antibody

3 Images

Overview

| | |
|--------------|---|
| Quantity: | 100 µL |
| Target: | ICT1 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ICT1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| | |
|-------------------|---|
| Immunogen: | A synthesized peptide derived from human ICT1. |
| Isotype: | IgG |
| Specificity: | ICT1 antibody detects endogenous levels of ICT1. |
| Cross-Reactivity: | Human, Mouse (Murine), Rat (Rattus) |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

Target Details

| | |
|-------------------|---|
| Target: | ICT1 |
| Alternative Name: | ICT1 (ICT1 Products) |
| Background: | Description: Essential peptidyl-tRNA hydrolase component of the mitochondrial large ribosomal |

Target Details

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.

Gene: MRPL58

Molecular Weight: 21-24 kDa

Gene ID: 3396

UniProt: [Q14197](#)

Application Details

Application Notes: WB 1:500-1:2000, IHC 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

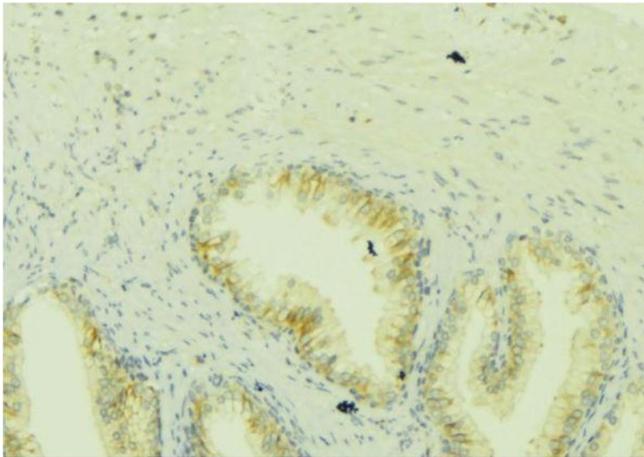
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

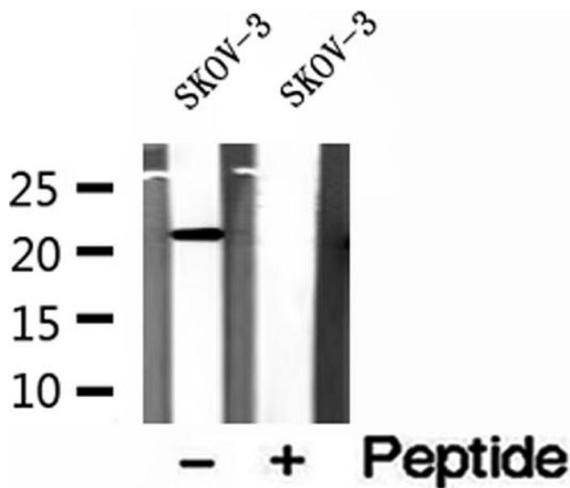
Storage Comment: Store at -20 °C.Stable for 12 months from date of receipt

Expiry Date: 12 months



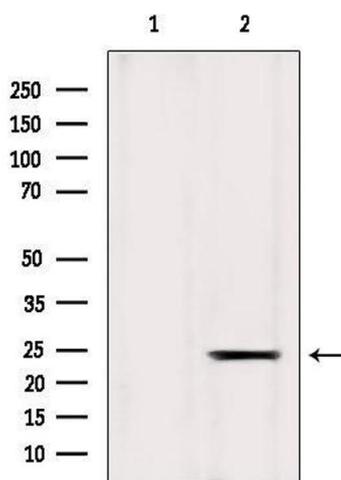
Immunohistochemistry

Image 1. ABIN6273049 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°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Western Blotting

Image 2. Western blot analysis of extracts of SKOV-3 cells, using ICT1 antibody.



Western Blotting

Image 3. Western blot analysis of extracts from Mouse liver, using ICT1 Antibody. Lane 1 was treated with the blocking peptide.