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ICT1 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant ICT1.
Catalog # AT2472a

Specification

ICT1 Antibody (monoclonal) (M06) - Product Information

Application	**E**
Primary Accession	Q14197
Other Accession	NM_001545
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**23630**

ICT1 Antibody (monoclonal) (M06) - Additional Information

Gene ID 3396

Other Names
Peptidyl-tRNA hydrolase ICT1, mitochondrial, 39S ribosomal protein L58, mitochondrial, MRP-L58, Digestion substraction 1, DS-1, Immature colon carcinoma transcript 1 protein, ICT1, DS1

Target/Specificity
ICT1 (NP_001536, 107 a.a. ~ 206 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
ICT1 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

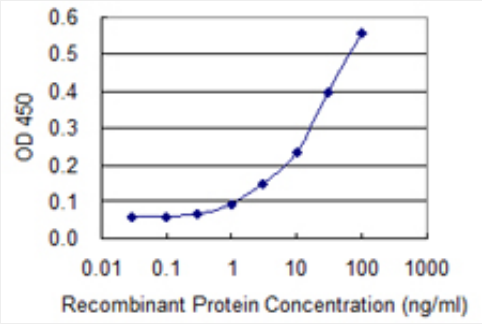
ICT1 Antibody (monoclonal) (M06) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ICT1 Antibody (monoclonal) (M06) - Images



Detection limit for recombinant GST tagged ICT1 is 0.3 ng/ml as a capture antibody.

ICT1 Antibody (monoclonal) (M06) - Background

The adult colon epithelium contains 3 differentiated cell types that arise from a multipotent stem cell. Deviation from the normal maturation pathway by neoplastic transformation is thought to initiate in stem cells or their early descendants. One potential marker is ICT1 whose mRNA and protein were more highly expressed in undifferentiated than in differentiated cells.

ICT1 Antibody (monoclonal) (M06) - References

Mutations in C12orf65 in patients with encephalomyopathy and a mitochondrial translation defect. Antonicka H, et al. Am J Hum Genet, 2010 Jul 9. PMID 20598281.A functional peptidyl-tRNA hydrolase, ICT1, has been recruited into the human mitochondrial ribosome. Richter R, et al. EMBO J, 2010 Mar 17. PMID 20186120.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Suzuki Y, et al. Gene, 1997 Oct 24. PMID 9373149.