

# SFT Rabbit mAb

Catalog No.: A21076 **Recombinant**

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

17kDa

### Category

Primary antibody

### Applications

ELISA, IHC-P

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC2935

## Background

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is closely related to a stimulator of iron transport (SFT), and is up-regulated in hereditary hemochromatosis. It also functions in the ubiquitination of the tumor-suppressor protein p53 and the hypoxia-inducible transcription factor HIF1alpha by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases. Two transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

IHC-P 1:50 - 1:200

## Immunogen Information

### Gene ID

7321

### Swiss Prot

P51668

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 50-147 of human SFT (NP\_003329.1).

### Synonyms

SFT; UBCH5; UBC4/5; UBCH5A; E2(17)KB1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

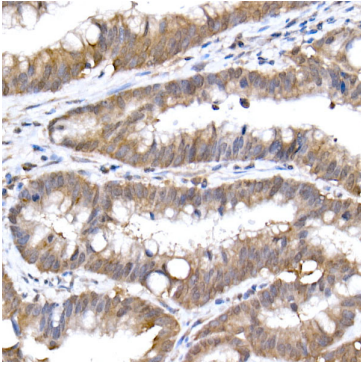
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

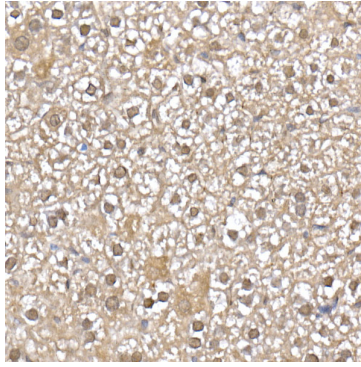
Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

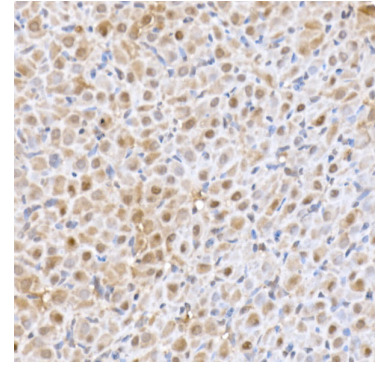
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Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using SFT Rabbit mAb (A21076) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse liver using SFT Rabbit mAb (A21076) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat ovary using SFT Rabbit mAb (A21076) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.