

SULT1B1 Polyclonal antibody

Catalog Number: 16050-1-AP

Basic Information

Catalog Number:

16050-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9009

GenBank Accession Number:

BC010895

GeneID (NCBI):

27284

UNIPROT ID:

O43704

Full Name:

sulfotransferase family, cytosolic, 1B, member 1

Calculated MW:

296 aa, 35 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse colon tissue, human colon tissue, human liver tissue, mouse liver tissue, rat liver tissue

IHC : human colon cancer tissue, human liver cancer tissue

Background Information

Sulfotransferase 1B1 (SULT1B1) is expressed at highest levels throughout the human colon and small intestine but can also be found at moderate levels in human liver, kidney, and white blood cells (PMID: 28084139). Certain SULT1B1 SNPs may influence the activity of thyroid hormones and the mutagenicity of polycyclic aromatic hydrocarbons (PMID: 34107842).

Storage

Storage:

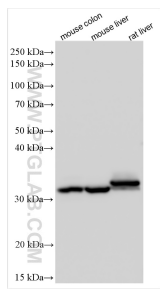
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

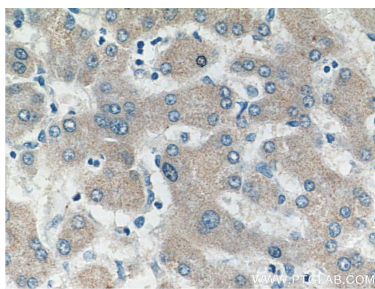
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

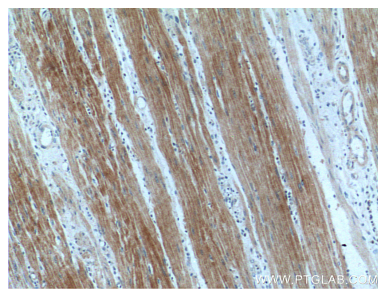
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16050-1-AP (SULT1B1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16050-1-AP (SULT1B1 antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 16050-1-AP (SULT1B1 antibody) at dilution of 1:200 (under 10x lens).