

For Research Use Only

# SULT1A3 Polyclonal antibody

Catalog Number: 19499-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 19499-1-AP	<b>GenBank Accession Number:</b> NM_177552	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6818	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3	<b>IHC:</b> 1:20-1:200
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 34 kDa	
	<b>Observed MW:</b> 30-34 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IHC, WB	<b>WB:</b> HT-29 cells, HepG2 cells, HuH-7 cells, Caco-2 cells, MCF-7 cells, mouse liver tissue, COLO 320 cells
<b>Species Specificity:</b> human, mouse	<b>IP:</b> COLO 320 cells,
<b>Cited Species:</b> human, mouse	<b>IHC:</b> human hepatocirrhosis tissue, human breast cancer tissue

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

## Background Information

SULT1A3, also named as STM and SULT1A4, belongs to the sulfotransferase 1 family. SULT1A3 catalyzes the sulfate conjugation of phenolic monoamines (neurotransmitters such as dopamine, norepinephrine and serotonin) and phenolic and catechol drugs.

## Notable Publications

Author	Pubmed ID	Journal	Application
Danyang Tian	33318871	J Adv Res	WB
Miksits Michaela M	19747768	Cancer Lett	IHC

## Storage

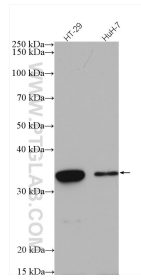
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

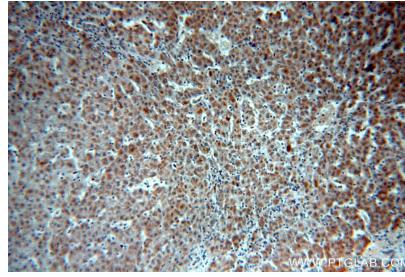
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

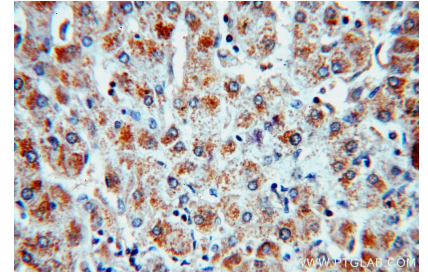
## Selected Validation Data



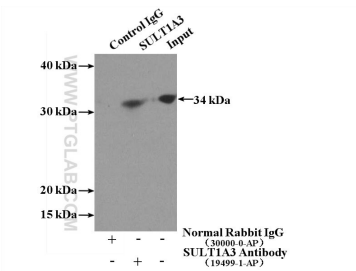
Various lysates were subjected to SDS PAGE followed by western blot with 19499-1-AP (SULT1A3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis using 19499-1-AP (SULT1A3 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis using 19499-1-AP (SULT1A3 antibody) at dilution of 1:50 (under 40x lens).



IP Result of anti-SULT1A3 (IP:19499-1-AP, 4ug; Detection:19499-1-AP 1:200) with COLO 320 cells lysate 2240ug.