

For Research Use Only

# SULT1A1 Monoclonal antibody

Catalog Number: 60076-1-Ig **Featured Product**



## Basic Information

<b>Catalog Number:</b> 60076-1-Ig	<b>GenBank Accession Number:</b> BC000923	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 2500 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6817	<b>CloneNo.:</b> 10H6F6
<b>Source:</b> Mouse	<b>Full Name:</b> sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1	<b>Recommended Dilutions:</b>
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 34 kDa	
<b>Immunogen Catalog Number:</b> AG4611	<b>Observed MW:</b> 34 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
human, mouse, rat, pig

**Positive Controls:**  
WB: pig brain tissue, U2OS cells, human placenta  
tissue, human liver tissue, Jurkat cells, HepG2 cells,  
HEK-293 cells, rat brain tissue, mouse brain tissue

## Background Information

SULT1A1, also named as ST1A1, P-PST 1, ST1A3, Ts-PST, P-PST 1, STP and STP1, belongs to the sulfotransferase 1 family. It catalyzes the sulfate conjugation of catecholamines, phenolic drugs and neurotransmitters. SULT1A1 is also responsible for the sulfation and activation of minoxidil. It mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk. SULT1A1 is one of two phenol sulfotransferases with thermostable enzyme activity.

## Storage

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

**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

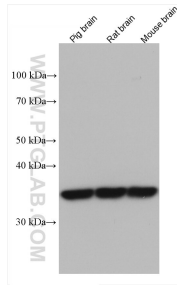
Aliquoting is unnecessary for -20°C storage

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

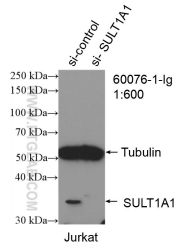
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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 60076-1-Ig (SULT1A1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of SULT1A1 antibody (60076-1-Ig; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-SULT1A1 transfected Jurkat cells.