

For Research Use Only

# SULT1A1 Monoclonal antibody

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



## Basic Information

**Catalog Number:**

60076-1-Ig

**Size:**

2500 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2a

**Immunogen Catalog Number:**

AG4611

**GenBank Accession Number:**

BC000923

**GeneID (NCBI):**

6817

**UNIPROT ID:**

P50225

**Full Name:**

sulfotransferase family, cytosolic, 1A,  
phenol-preferring, member 1

**Calculated MW:**

34 kDa

**Observed MW:**

34 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

10H6F6

**Recommended Dilutions:**

WB 1:500-1:5000

## 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

For technical support and original validation data for this product please contact:

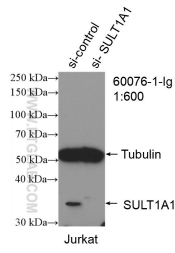
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

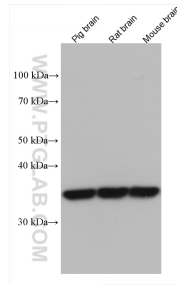
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



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.



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.