

For Research Use Only

SULT1A1 Monoclonal antibody

Catalog Number: 60076-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number:

60076-1-Ig

Size:

150ul, Concentration: 2500 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

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

Cited Applications:

WB

Species Specificity:

human, mouse, rat, pig

Cited Species:

rat

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Jianping Li	39746293	J Chromatogr B Analyt Technol Biomed Sci	WB

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

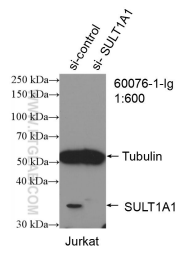
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

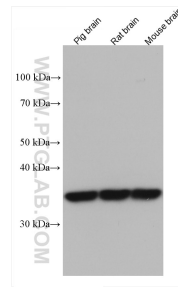
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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.