

For Research Use Only

SULT4A1 Polyclonal antibody

Catalog Number: 12578-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

12578-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 393 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3271

GenBank Accession Number:

BC022459

GeneID (NCBI):

25830

UNIPROT ID:

Q9BR01

Full Name:

sulfotransferase family 4A, member 1

Calculated MW:

284 aa, 33 kDa

Observed MW:

30-33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, zebrafish

Positive Controls:

WB : mouse brain tissue, human brain tissue, rat brain

IP : mouse brain tissue,

Background Information

SULT4A1, also named as SULTX3, NST, ST4A1, hBR-STL and hBR-STL-1, belongs to the sulfotransferase 1 family. It may catalyze the sulfate conjugation of many drugs, xenobiotic compounds, hormones, and neurotransmitters. SULT4A1 displays activity towards L-triiodothyronine, thyroxine, estrone, p-nitrophenol, 2-naphtylamine, and 2-naphtol. It may have a role in the sulfation of drugs and neurotransmitters in the CNS. SULT4A1 is a brain-specific sulfotransferase believed to be involved in the metabolism of neurotransmitters. It is a novel cytosolic sulfotransferase that is primarily expressed in the brain.

Notable Publications

Author	Pubmed ID	Journal	Application
Claudia Colombrita	26514432	Biochim Biophys Acta	WB
Shu Xiao-Hong XH	22096581	PLoS One	WB, IHC, IF
Patrick L Garcia	29109113	Drug Metab Dispos	WB, 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

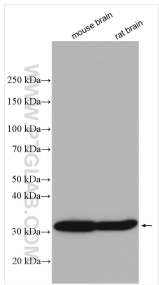
For technical support and original validation data for this product please contact:

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

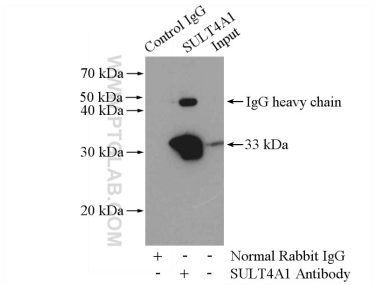
E: proteintech@ptglab.com
W: ptglab.com

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 12578-1-AP (SULT4A1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-SULT4A1 (IP:12578-1-AP, 4ug; Detection:12578-1-AP 1:300) with mouse brain tissue lysate 4000ug.