

For Research Use Only

# SULT4A1 Polyclonal antibody

Catalog Number: 12578-1-AP

Featured Product

15 Publications



## Basic Information

**Catalog Number:**

12578-1-AP

**Size:**

750 µg/ml

**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 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, 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 Colombrina	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

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

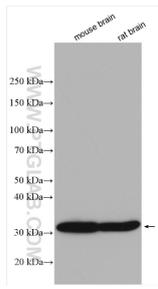
T: 4006900926

E: Proteintech-CN@ptglab.com

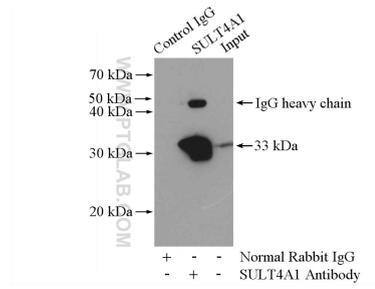
W: ptgcn.com

**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.