

For Research Use Only

# SULT4A1 Monoclonal antibody, PBS Only



Catalog Number: 66106-1-PBS

## Basic Information

<b>Catalog Number:</b> 66106-1-PBS	<b>GenBank Accession Number:</b> BC022459	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 25830	<b>CloneNo.:</b> 1B9F6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9BR01	
<b>Isotype:</b> IgG1	<b>Full Name:</b> sulfotransferase family 4A, member 1	
<b>Immunogen Catalog Number:</b> AG17962	<b>Calculated MW:</b> 284 aa, 33 kDa	
	<b>Observed MW:</b> 33 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA, IHC

**Species Specificity:**  
human, mouse

## 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.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

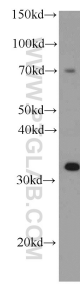
T: 4006900926

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

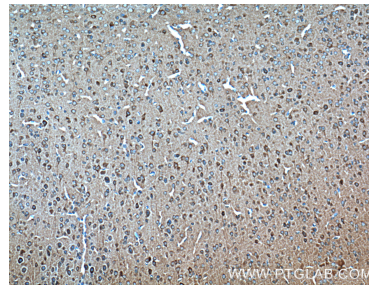
W: [ptgcn.com](http://ptgcn.com)

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

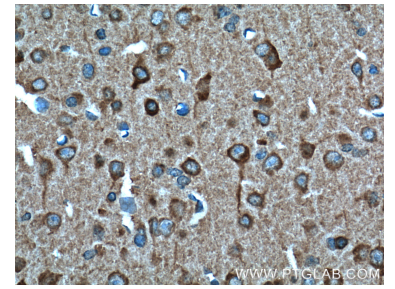
## Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 66106-1-Ig (SULT4A1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66106-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66106-1-Ig (SULT4A1 Antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66106-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66106-1-Ig (SULT4A1 Antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66106-1-PBS in a different storage buffer formulation.