

For Research Use Only

SULT4A1 Monoclonal antibody, PBS Only

Catalog Number: 66106-1-PBS



Basic Information

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

Applications

Tested Applications:
WB, IHC, IF-P, Indirect ELISA

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:

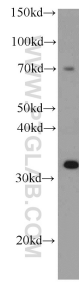
T: 4006900926

E: Proteintech-CN@ptglab.com

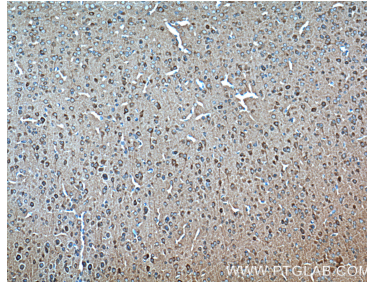
W: ptgcn.com

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

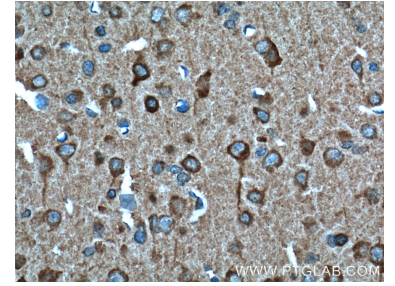
Selected Validation Data



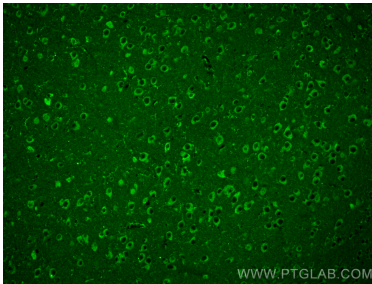
human brain tissue were subjected to SDS PAGE followed by western blot with 66106-1-Ig (SULT4A1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66106-1-PBS in a different storage buffer formulation.



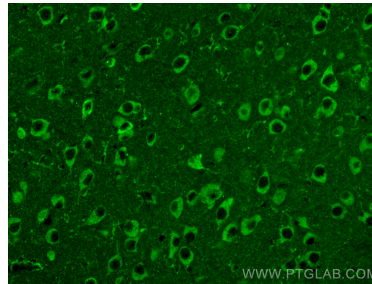
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66106-1-Ig (SULT4A1 Antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66106-1-PBS in a different storage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



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using SULT4A1 antibody (66106-1-Ig, Clone: 1B9F6) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). 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.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using SULT4A1 antibody (66106-1-Ig, Clone: 1B9F6) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). 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.