

For Research Use Only

SULT4A1 Monoclonal antibody

Catalog Number: 66106-1-Ig



Basic Information

Catalog Number: 66106-1-Ig	GenBank Accession Number: BC022459	Purification Method: Protein G purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop and 720 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 25830	CloneNo.: 1B9F6
Source: Mouse	Full Name: sulfotransferase family 4A, member 1	Recommended Dilutions: 1WB 1:500-1:2000 IHC 1:50-1:500
Isotype: IgG1	Calculated MW: 284 aa, 33 kDa	
Immunogen Catalog Number: AG17962	Observed MW: 33 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : Human brain, tissue IHC : mouse brain tissue,
Species Specificity: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

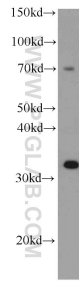
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

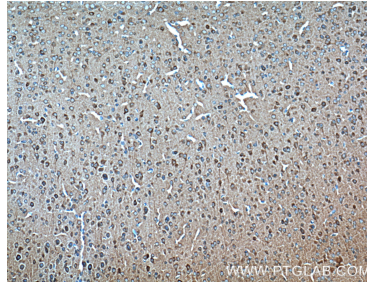
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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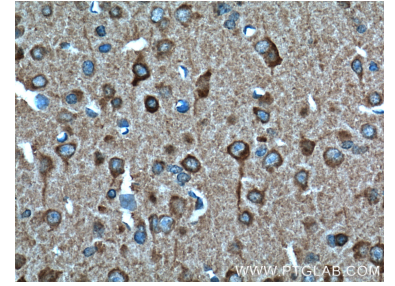
Selected Validation Data



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.



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).



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).