

Rabbit SULT4A1 Polyclonal Antibody | anti-SULT4A1 antibody

SULT4A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322914	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SULT4A1; Polyclonal Antibody; SULT4A1 Antibody; BR STL 1; Brain sulfotransferase like protein; Brain sulfotransferase-like protein; Brain sulphotransferase like; BRSTL1; DJ388M5.3; hBR STL 1; hBR STL; hBR-STL; hBR-STL-1; MGC40032; Nervous system cytosolic sulfotransferase; Nervous system sulfotransferase; NST; OTTHUMP00000028875; ST4A1; ST4A1_HUMAN; Sulfotransferase 4A1; Sulfotransferase family 4A member 1; Sulfotransferase related protein; SULTX3; anti-SULT4A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SULT4A1 antibody detects endogenous levels of SULT4A1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	284
Applicable Applications for anti-SULT4A1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SULT4A1.
Subcellular Location	Cytoplasm.
Tissue Specificity	Highly expressed in the cerebral cortex and frontal lobe, slightly less in the cerebellum, occipital and temporal lobes, relatively low in the medulla and putamen, and lowest in the spinal cord. No expression detected in the pancreas (PubMed:10698717). Highly expressed in fetal brain and occipital lobe, slightly less in the whole brain, frontal lobe, hippocampus, and lung, very low expression in cerebellum, medulla oblongata, temporal lobe, testis, kidney and appendix (PubMed:12039030).
Predicted Cross Reactivity	Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of rat brain tissue, using SULT4A1 antibody.



IHC (Immunohistochemistry)
AAA322914 at 1/100 staining Human pancreas tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from rat brain, using SULT4A1 antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SULT4A1 antibody	Function: Atypical sulfotransferase family member with very low affinity for 3'-phospho-5'-adenylyl sulfate (PAPS) and very low catalytic activity towards L-triiodothyronine, thyroxine, estrone, p-nitrophenol, 2-naphthylamine, and 2-beta-naphthol. May have a role in the metabolism of drugs and neurotransmitters in the CNS. Similarity: Belongs to the sulfotransferase 1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7657633
NCBI GeneID	25830
NCBI Accession #	NP_055166.1
NCBI GenBank Nucleotide #	NM_014351.3
UniProt Accession #	Q9BR01; O43728; B2R7N3
Molecular Weight	Observed: 30-33 kDa Predicted: 34 kDa
NCBI Official Full Name	sulfotransferase 4A1
NCBI Official Synonym Full Names	sulfotransferase family 4A member 1
NCBI Official Symbol	SULT4A1
NCBI Official Synonym Symbols	NST; BRSTL1; SULTX3; BR-STL-1; DJ388M5.3; hBR-STL-1
NCBI Protein Information	sulfotransferase 4A1
UniProt Protein Name	Sulfotransferase 4A1
UniProt Gene Name	SULT4A1
UniProt Synonym Gene Names	SULTX3; ST4A1; hBR-STL; hBR-STL-1; NST

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.