

SULT2A1 Rabbit mAb

Catalog No: #49898

Package Size: #49898-1 50ul #49898-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

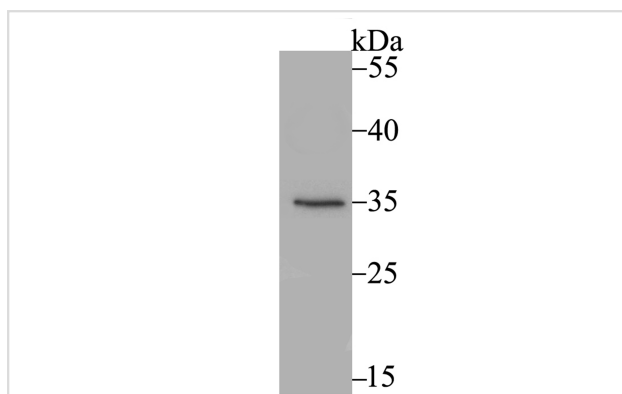
Description

Product Name	SULT2A1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG36-18
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within human SULT2A1 aa 100 to the C-terminus.
Other Names	Alcohol/hydroxysteroid sulfotransferase antibody Bile salt sulfotransferase 2A1 antibody Bile salt sulfotransferase antibody Dehydroepiandrosterone sulfotransferase antibody DHEA ST antibody DHEA sulfotransferase antibody DHEA-ST antibody DHEAS antibody EC 2.8.2.14 antibody Hst antibody hSTa antibody Hydroxysteroid sulfotransferase antibody ST2 antibody ST2A1 antibody ST2A1_HUMAN antibody ST2A3 antibody STD antibody sulfotransferase, dehydroepiandrosterone-preferring antibody Sulfotransferase 2A1 antibody Sulfotransferase family 2A, dehydroepiandrosterone-preferring, member 1 antibody Sulfotransferase family cytosolic 2A dehydroepiandrosterone (DHEA) preferring member 1 antibody Sult2a1 antibody
Accession No.	Swiss-Prot#:Q06520
Uniprot	Q06520
GeneID	6822;
Calculated MW	34 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

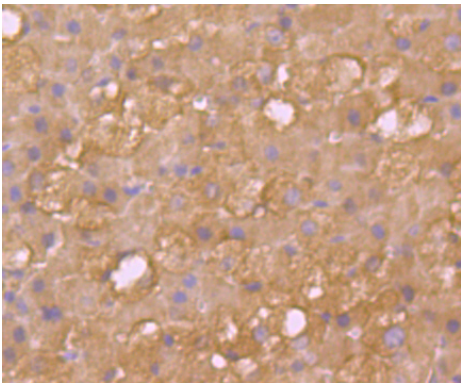
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:500-1:2,000FC: 1:50-1:100

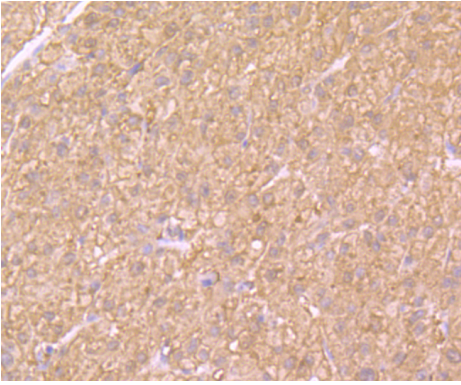
Images



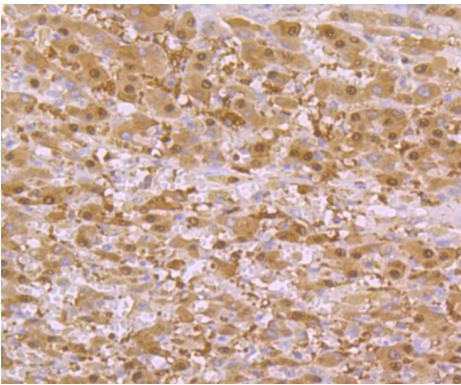
Western blot analysis of SULT2A1 on mouse kidney tissue lysate using anti-SULT2A1 antibody at 1/1,000 dilution.



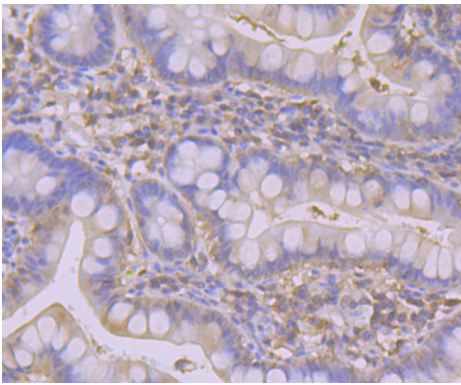
Immunohistochemical analysis of paraffin-embedded rat adrenal gland tissue using anti-SULT2A1 antibody. Counter stained with hematoxylin.



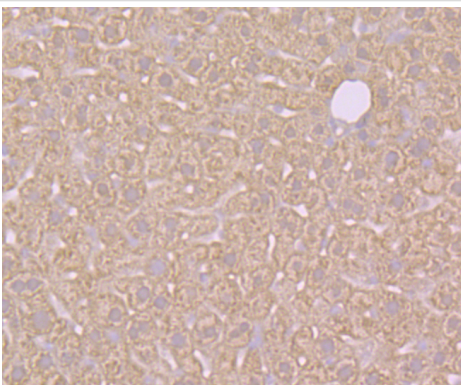
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-SULT2A1 antibody. Counter stained with hematoxylin.



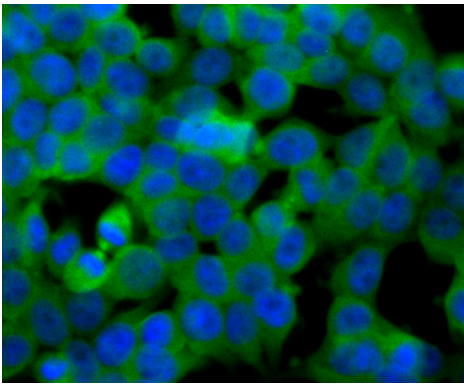
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-SULT2A1 antibody. Counter stained with hematoxylin.



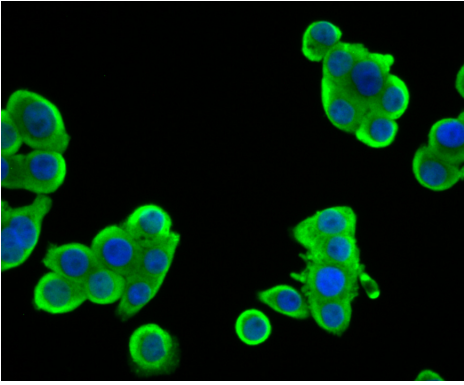
Immunohistochemical analysis of paraffin-embedded human small intestine tissue using anti-SULT2A1 antibody. Counter stained with hematoxylin.



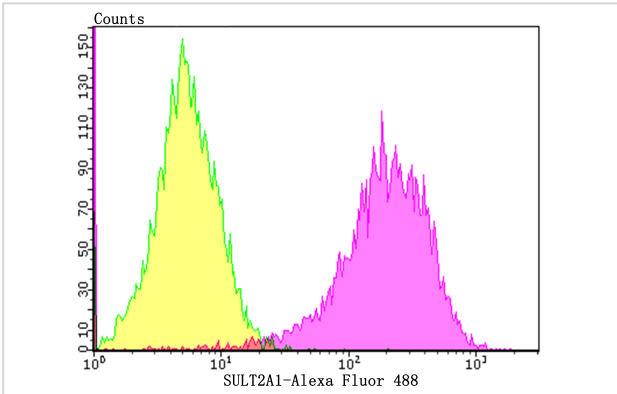
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-SULT2A1 antibody. Counter stained with hematoxylin.



ICC staining SULT2A1 in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining SULT2A1 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HepG2 cells with SULT2A1 antibody at 1/100 dilution (yellow) compared with an unlabelled control (cells without incubation with primary antibody; purple). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

The soluble sulfotransferases contribute to the elimination of xenobiotics, the activation of procarcinogens and the regulation of hormones. Members of the three groups comprising this superfamily show selectivity to certain substrate compounds. SULT1 sulfotransferases exhibit N-sulfating activities of carcinogenic heterocyclic amines, and are selective toward phenols, whereas SULT2 enzymes prefer hydroxysteroids and SULT3 family members are selective for N-substituted aryl and alicyclic compounds. SULT2A1 catalyzes the sulfonation of procarcinogen xenobiotics, hydroxysteroids and bile acids, and is highly expressed in adrenal and liver tissues. SULT2A1 plays a role in hepatic cholesterol homeostasis. SULT2B1 consists of two isoforms, SULT2B1a and SULT2B1b, which are transcribed from the same gene by alternative splicing of their first exons. Both isoforms are highly selective for the sulphation of 3 β -hydroxysteroids such as pregnenolone, epiandrosterone, DHEA and androstenediol. SULT2B1b is expressed in prostate, skin, placenta and lung.

References

Note: This product is for in vitro research use only