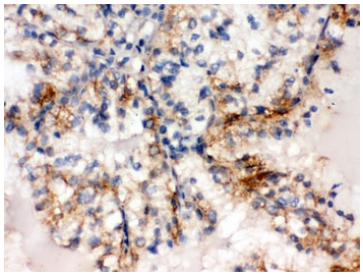
SULT2A1 Antibody (R32194)

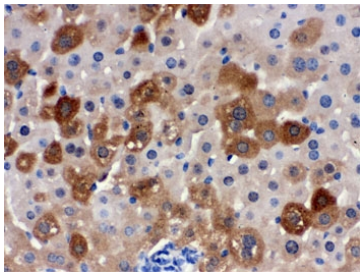
Catalog No.	Formulation	Size
R32194	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

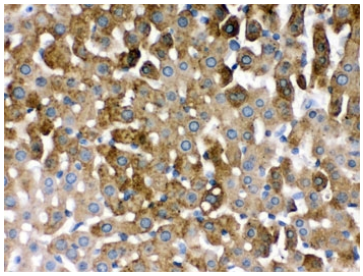
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q06520
Localization	Cytoplasmic
Applications	Western blot: 0.1-0.5ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml
Limitations	This SULT2A1 antibody is available for research use only.



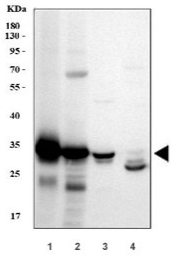
IHC testing of FFPE human renal cancer tissue with SULT2A1 antibody. HIER: Boil the paraffin sections in pH8 EDTA buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE mouse liver with SULT2A1 antibody. HIER: Boil the paraffin sections in pH8 EDTA buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat liver with SULT2A1 antibody. HIER: Boil the paraffin sections in pH8 EDTA buffer for 20 minutes and allow to cool prior to staining.



Western blot testing of 1) human HCCT (hepatocellular carcinoma tumor), 2) human HCCP (hepatocellular carcinoma paracancerous), 3) human HepG2 and 4) rat liver lysate with SULT2A1 antibody. Expected molecular weight ~34 kDa.

Description

Bile salt sulfotransferase, also known as hydroxysteroid sulfotransferase (HST) or sulfotransferase 2A1 (ST2A1), is an enzyme that in humans is encoded by the SULT2A1 gene. It is mapped to 19q13.3. This gene encodes a member of the sulfotransferase family. Sulfotransferases aid in the metabolism of drugs and endogenous compounds by converting these substances into more hydrophilic water-soluble sulfate conjugates that can be easily excreted. This protein catalyzes the sulfation of steroids and bile acids in the liver and adrenal glands, and may have a role in the inherited adrenal androgen excess in women with polycystic ovary syndrome.

Application Notes

Optimal dilution of the SULT2A1 antibody should be determined by the researcher.

Immunogen

Amino acids DWKNHFTVAQAEDFDKLFQEKMADLPRELFPWE of human SULT2A1 were used as the immunogen for the SULT2A1 antibody.

Storage

After reconstitution, the SULT2A1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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