

Human Sulfotransferase 2A1/SULT2A1 antibody

Catalog Number: ATGA0491

PRODUCT INFORMATION

Catalog number

ATGA0491

Clone No.

AT13E10

Product type

Monoclonal Antibody

UnitProt No.

Q06520

NCBI Accession No.

NP_003158

Alternative Names

Sulfotransferase family 2A member 1, ST2A1, Cytosolic sulfotransferase family 2A, Bile salt sulfotransferase, Dehydroepiandrosterone sulfotransferase, DHEA-ST, DHEA-ST8, Hydroxysteroid Sulfotransferase, HST, ST2, SULT2A3, STD

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human SULT2A1 (1-285aa) purified from E.coli

Isotype

IgG2a kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

The antibody has been tested by Western blot analysis and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

SULT2A1, also known dehydroepiandrosterone sulphotransferase, belongs to the sulfotransferase family. This protein is mainly expressed in liver and adrenal tissues, and to a lesser extent in kidney. It catalyzes the 3'-phosphoadenosine 5'-phosphosulfate-dependent sulfation of a wide variety of steroids in human liver and adrenal tissues, and is also responsible for most of the sulfation of bile acids in human liver.

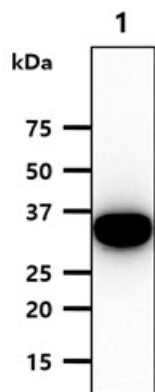
General References

Ottersness D.M. et al. (1992) Mol. Pharmacol. 41: 865-872.

Comer K.A. et al. (1993) Biochem. J. 289: 233-240.

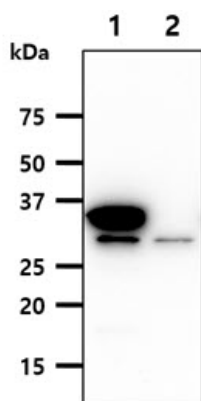
DATA

Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human SULT2A1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: HepG2 cell lysate



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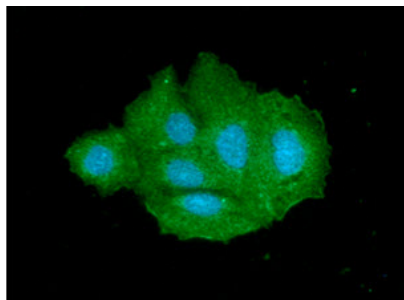
Lane 1.: SULT2A1 transfected 293T cell lysate

Lane 2.: 293T cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)

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ICC/IF analysis of SULT2A1 in Hep3B The cell was stained with ATGA0491 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).