

## DATASHEET

# SULT2B1 Rabbit Polyclonal Antibody

CAT. NO. APA13138

### KEY FEATURES

Target	SULT2B1	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

### BACKGROUND

Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation. Responsible for the sulfation of cholesterol as sulfonate donor to catalyze the sulfate conjugation. Responsible for the sulfation of cholesterol. Catalyzes sulfation of the 3beta-hydroxyl groups of steroids, such as, pregnenolone and dehydroepiandrosterone (DHEA). Preferentially sulfonates cholesterol, while it also has significant activity with pregnenolone and DHEA. Plays a role in epidermal cholesterol metabolism and in the regulation of epidermal proliferation and differentiation.

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to SULT2B1
Specificity	Recognizes endogenous levels of SULT2B1 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human SULT2B1
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 39; Observed: 41 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	HSST2; Sulfotransferase family cytosolic 2B member 1; ST2B1; Sulfotransferase 2B1; Alcohol sulfotransferase; Hydroxysteroid sulfotransferase 2
Gene Symbol	SULT2B1
Entrez Gene	6820(Human)
SwissProt	O00204(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

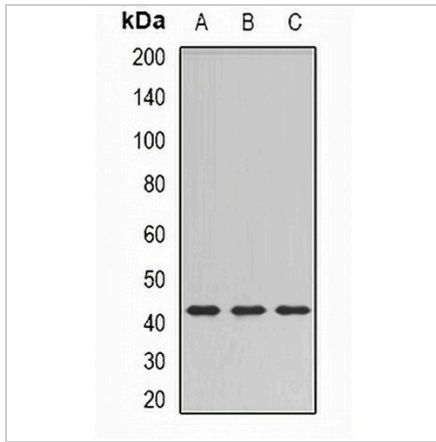
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

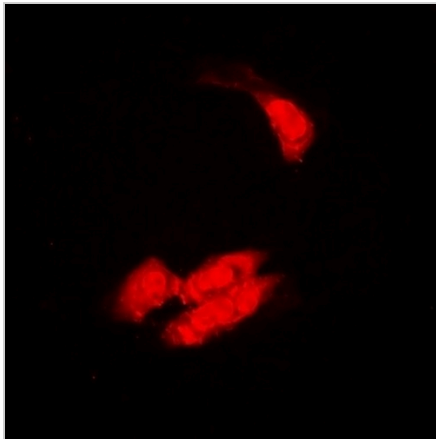
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**DATA**



Western blot analysis of SULT2B1 expression in HT29 (A), mouse brain (B), rat brain (C) whole cell lysates. (Predicted band size: 39; 41 kD; Observed band size: 41 kD)



Immunofluorescent analysis of SULT2B1 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.