

ARG44746 anti-SULT2B1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes SULT2B1
Tested Reactivity	Hu
Tested Application	IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	SULT2B1
Species	Human
Conjugation	Un-conjugated
Alternate Names	Hydroxysteroid sulfotransferase 2; Alcohol sulfotransferase; Sulfotransferase 2B1; EC 2.8.2.2; HSST2; ST2B1; Sulfotransferase family cytosolic 2B member 1

Application Instructions

Application table	Application	Dilution
	IHC-P	5-10 µg/mL
	IP	10 µg/mL
	WB	1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

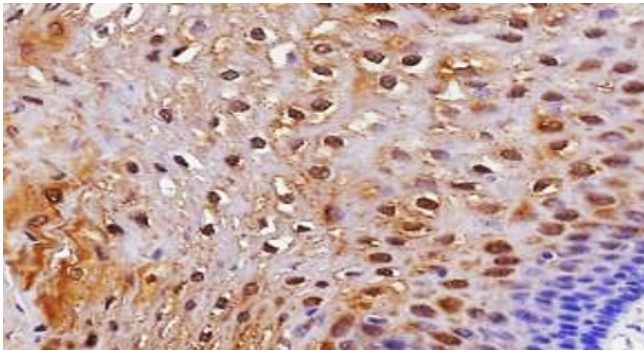
Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SULT2B1
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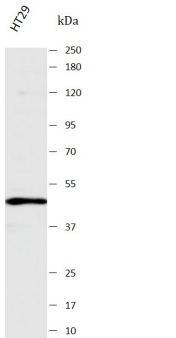
Gene Full Name	sulfotransferase family, cytosolic, 2B, member 1
Background	Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. This gene sulfates dehydroepiandrosterone but not 4-nitrophenol, a typical substrate for the phenol and estrogen sulfotransferase subfamilies. Two alternatively spliced variants that encode different isoforms have been described. [provided by RefSeq, Jul 2008]
Function	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs and xenobiotic compounds. Sulfonation increases the water solubility of most compounds, and therefore their renal excretion, but it can also result in bioactivation to form active metabolites. Sulfates hydroxysteroids like DHEA. Isoform 1 preferentially sulfonates cholesterol, and isoform 2 avidly sulfonates pregnenolone but not cholesterol. [UniProt]
Calculated Mw	63 kDa

Images



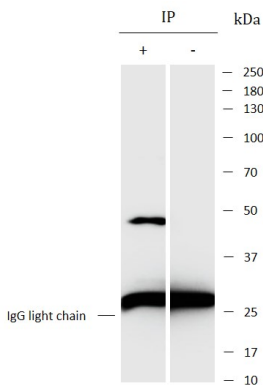
ARG44746 anti-SULT2B1 antibody IHC-P image

Immunohistochemistry: Human esophagus stained with ARG44746 anti-SULT2B1 antibody at 5 µg/mL dilution.



ARG44746 anti-SULT2B1 antibody WB image

Western blot: HT29 stained with ARG44746 anti-SULT2B1 antibody at 1 µg/mL dilution.



ARG44746 anti-SULT2B1 antibody IP image

Immunoprecipitation: HT29 lysate immunoprecipitated with 2.5 µg of ARG44746 anti-SULT2B1 antibody.