

For Research Use Only

SULT2B1 Polyclonal antibody

Catalog Number: 12879-1-AP

2 Publications



Basic Information

Catalog Number:

12879-1-AP

Size:

150ul, Concentration: 220 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3838

GenBank Accession Number:

BC034694

GeneID (NCBI):

6820

UNIPROT ID:

O00204

Full Name:

sulfotransferase family, cytosolic, 2B, member 1

Calculated MW:

365 aa, 41 kDa

Observed MW:

41 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: mouse skin tissue,

IP: mouse skin tissue,

IHC: human prostate cancer tissue, human placenta tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

SULT2B1 is a member of hydroxysteroid sulfotransferase (SULT) family that catalyzes sulfonation of hormones and other molecules. SULT2B1 encodes two isoforms, SULT2B1a and SULT2B1b, that differ only at their amino termini but have distinct biochemical properties as well as tissue distribution. The human fetal brain appears to only express the SULT2B1a isoform, while SULT2B1b is the predominant hydroxysteroid sulfotransferase expressed in human skin. Northern blot analysis revealed SULT2B1a has a limited tissue distribution in liver, adrenal and stomach, whereas SULT2B1b can be detected in a variety of hormone-responsive tissues including placenta, ovary, uterus, and prostate. This antibody recognizes both of SULT2B1a and SULT2B1b.

Notable Publications

Author	Pubmed ID	Journal	Application
Ying Liu	30309895	J Lipid Res	WB
Takuyu Hashiguchi	29626075	Drug Metab Dispos	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

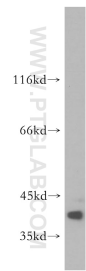
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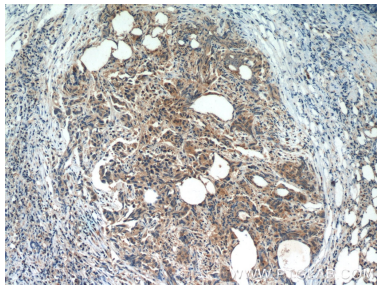
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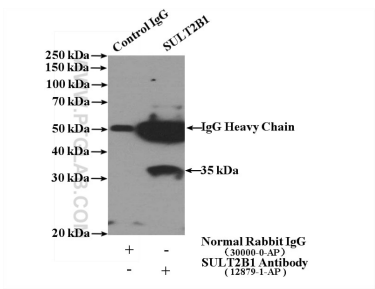
Selected Validation Data



mouse skin tissue were subjected to SDS PAGE followed by western blot with 12879-1-AP (SULT2B1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer slide using 12879-1-AP (SULT2B1 Antibody) at dilution of 1:50. Heat mediated antigen retrieved with Citric acid buffer, pH6.0.



IP result of anti-SULT2B1 (IP:12879-1-AP, 4ug; Detection:12879-1-AP 1:400) with mouse skin tissue lysate 3200ug.