

For Research Use Only

SULT1B1 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83228-1-PBS



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
83228-1-PBS	BC010895	Protein A purification
Concentration:	GeneID (NCBI):	CloneNo.:
1mg/ml	27284	240119C12
Source:	UNIPROT ID:	
Rabbit	O43704	
Isotype:	Full Name:	
IgG	sulfotransferase family, cytosolic, 1B, member 1	
Immunogen Catalog Number:	Calculated MW:	
AG9009	296 aa, 35 kDa	
	Observed MW:	
	35 kDa	

Applications

Tested Applications:
WB, IHC, FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Background Information

Sulfotransferase 1B1 (SULT1B1) is expressed at highest levels throughout the human colon and small intestine but can also be found at moderate levels in human liver, kidney, and white blood cells (PMID: 28084139). Certain SULT1B1 SNPs may influence the activity of thyroid hormones and the mutagenicity of polycyclic aromatic hydrocarbons (PMID: 34107842).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

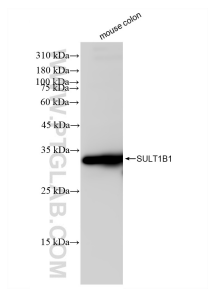
T: 4006900926

E: Proteintech-CN@ptglab.com

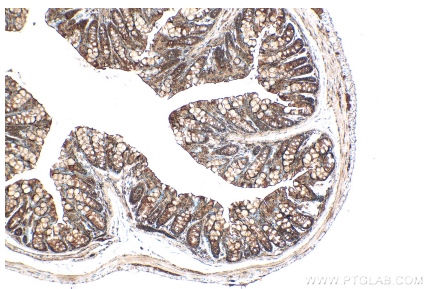
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

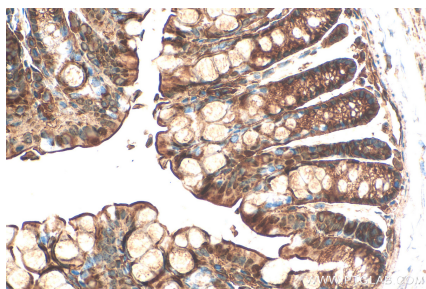
Selected Validation Data



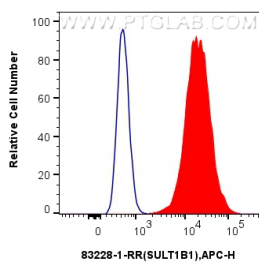
mouse colon tissue were subjected to SDS PAGE followed by western blot with 83228-1-RR (SULT1B1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83228-1-PBS in a different storage buffer formulation.



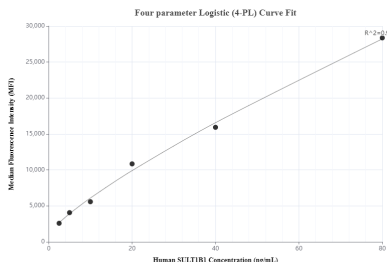
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 83228-1-RR (SULT1B1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83228-1-PBS in a different storage buffer formulation.



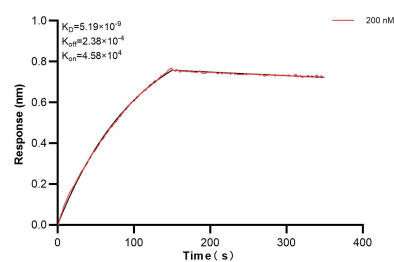
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 83228-1-RR (SULT1B1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83228-1-PBS in a different storage buffer formulation.



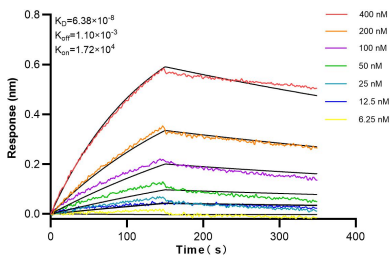
1x10⁶ A431 cells were intracellularly stained with 0.25 ug SULT1B1 Recombinant antibody (83228-1-RR, Clone:240119C12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83228-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00184-1, SULT1B1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83228-1-PBS. Detection antibody: 83228-2-PBS. Standard: Ag9009. Range: 2.5-80 ng/mL.



Biolayer interferometry (BLI) kinetic assay of 83228-1-PBS against Human SULT1B1 was performed. The affinity constant is 5.19 nM.



Biolayer interferometry (BLI) kinetic assays of 83228-1-RR against Human SULT1B1 were performed. The affinity constant is 63.8 nM.