

For Research Use Only

GALNT2 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83703-2-PBS



Basic Information

Catalog Number: 83703-2-PBS	GenBank Accession Number: BC041120	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2590	CloneNo.: 240723G10
Source: Rabbit	UNIPROT ID: Q10471	
Isotype: IgG	Full Name: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (GalNAc-T2)	
Immunogen Catalog Number: AG11523	Calculated MW: 571 aa, 65 kDa	
	Observed MW: 65 kDa	

Applications

Tested Applications:
WB, IHC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

83703-2-PBS targets GALNT2 as part of a matched antibody pair:

MP00666-1: 83703-1-PBS capture and 83703-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

GALNT2, a GalNAc-transferase involved in O-linked glycosylation, modulates the risk of atherogenic dyslipidemia, a specific hallmark of insulin resistance and acts as a positive modulator of insulin signaling in human liver cells by down-regulating ENPP1. GALNT2 gene encodes GalNAc-T2 as a regulator of high-density lipoprotein cholesterol (HDL-C) metabolism (PMID: 31040393, 27508872). Western blot analysis detected GALNT2 at an apparent molecular mass of 64 kDa.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

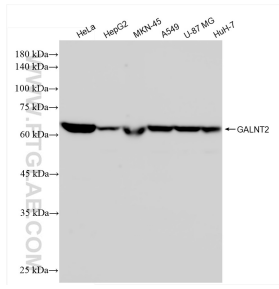
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

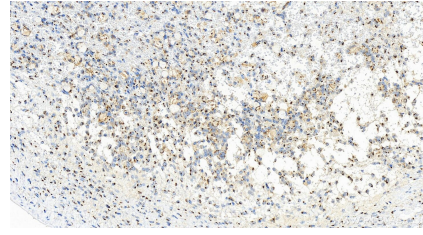
E: proteintech@ptglab.com
W: ptglab.com

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

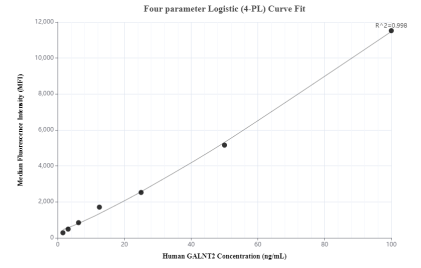
Selected Validation Data



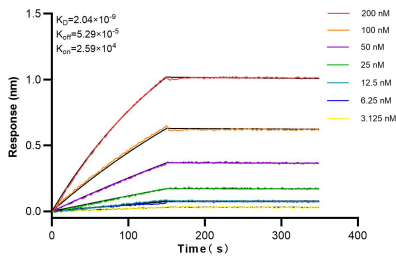
Various lysates were subjected to SDS PAGE followed by western blot with 83703-2-RR (GALNT2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83703-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83703-2-RR (GALNT2 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83703-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00666-1, GALNT2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83703-1-PBS. Detection antibody: 83703-2-PBS. Standard: Ag11523. Range: 1.563-100 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83703-2-RR against Human GALNT2 were performed. The affinity constant is 2.04 nM.