

For Research Use Only

WNT3A Recombinant antibody

Catalog Number: 84577-4-RR



Basic Information

Catalog Number: 84577-4-RR	GenBank Accession Number: BC103921	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 89780	CloneNo.: 241993E8
Source: Rabbit	UNIPROT ID: P56704	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: wingless-type MMTV integration site family, member 3A	
Immunogen Catalog Number: AG25051	Calculated MW: 352 aa, 39 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human	

Background Information

WNT3A belongs to wingless-type MMTV integration site family, and abnormal Wnt signalling is often associated with severe human diseases, including cancer, osteoporosis and other degenerative disorders (PMID: 20716463). Wnt3a, was shown to promote trophectoderm formation in embryonic stem cells by inducing Cdx2, one of the critical transcription factors of early trophoblast development, in an LEF-1-dependent manner. Wnt3a may also activate other β -catenin-independent cascades such as ERK or PI3K/AKT signalling, again emphasizing the complexity of the Wnt signalling network.

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

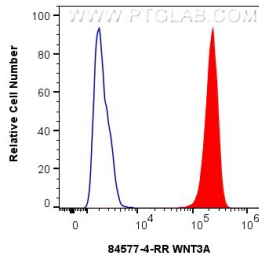
For technical support and original validation data for this product please contact:

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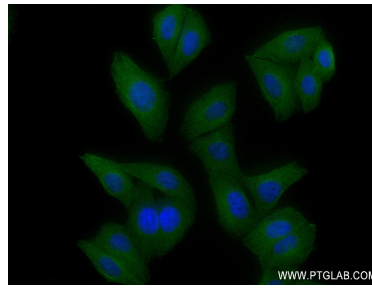
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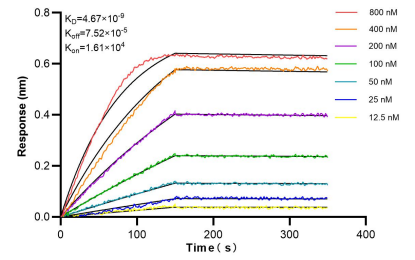
Selected Validation Data



1×10^6 HeLa cells were intracellularly stained with 0.25 μg WNT3A Recombinant antibody (84577-4-RR, Clone:241993E8) and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 μg Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using WNT3A antibody (84577-4-RR, Clone: 241993E8) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Bi-layer interferometry (BLI) kinetic assays of 84577-4-RR against Human WNT3A were performed. The affinity constant is 4.67 nM.