

For Research Use Only

# WNT3A Recombinant antibody, PBS Only

Catalog Number: 84577-4-PBS



## Basic Information

Catalog Number:

84577-4-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25051

GenBank Accession Number:

BC103921

GeneID (NCBI):

89780

UNIPROT ID:

P56704

Full Name:

wingless-type MMTV integration site family, member 3A

Calculated MW:

352 aa, 39 kDa

Purification Method:

Protein A purification

CloneNo.:

241993E8

## Applications

Tested Applications:

IF/ICC, FC (Intra), Indirect ELISA

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  $\beta$ -catenin-independent cascades such as ERK or PI3K/AKT signalling, again emphasizing the complexity of the Wnt signalling network.

## 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

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

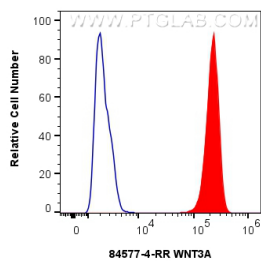
T: 4006900926

E: Proteintech-CN@ptglab.com

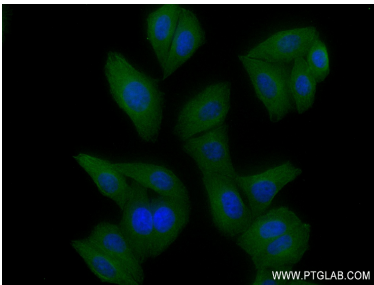
W: ptgcn.com

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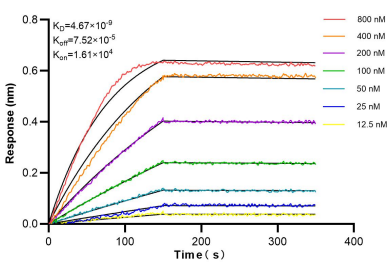
Selected Validation Data



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug WNT3A Recombinant antibody (84577-4-RR, Clone:241993E8) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug 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). This data was developed using the same antibody clone with 84577-4-PBS in a different storage buffer



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). This data was developed using the same antibody clone with 84577-4-PBS in a different storage buffer formulation.



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