

For Research Use Only

# WNT2 Monoclonal antibody

Catalog Number: 66656-1-Ig

Featured Product

7 Publications



## Basic Information

Catalog Number:

66656-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG25185

GenBank Accession Number:

BC029854

GeneID (NCBI):

7472

UNIPROT ID:

P09544

Full Name:

wingless-type MMTV integration site family member 2

Calculated MW:

40 kDa

Observed MW:

36 kDa

Purification Method:

Protein G purification

CloneNo.:

3H7B10

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : HeLa cells, HSC-T6 cells, Jurkat cells, RAW 264.7 cells, rat brain tissue, NIH/3T3 cells, mouse brain tissue, HEK-293 cells, MCF-7 cells

IF/ICC : MCF-7 cells,

## Background Information

Wnt2 is a secreted glycoprotein that is one of the canonical Wnt ligands. The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. Wnt2 is known to directly regulate  $\beta$ -catenin activity, the key player in proliferation and inflammation. Recently, studies have demonstrated that Wnt2 is overexpressed in various human cancers, including esophageal, gastric, colorectal, breast, lung, cervical, and malignant glioma.

## Notable Publications

Author	Pubmed ID	Journal	Application
Meizhong Peng	36237833	Int J Endocrinol	WB
Zewu Zhu	34724098	Cell Mol Life Sci	IF
Yuan Qu	30463708	J Surg Res	WB

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

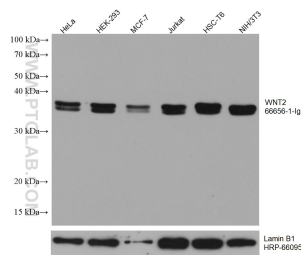
For technical support and original validation data for this product please contact:

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

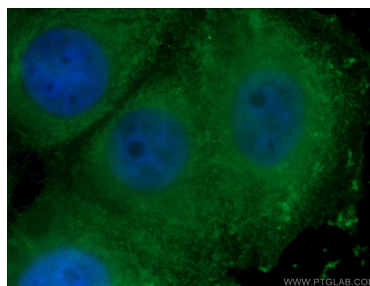
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66656-1-Ig (WNT2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 66656-1-Ig (WNT2 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).