

For Research Use Only

# WNT3 Polyclonal antibody

Catalog Number: 28156-1-AP



## Basic Information

<b>Catalog Number:</b> 28156-1-AP	<b>GenBank Accession Number:</b> BC114219	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7473	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> wingless-type MMTV integration site family, member 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 355 aa, 40 kDa	
<b>Immunogen Catalog Number:</b> AG27965	<b>Observed MW:</b> 40-45 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : HCT 116 cells, MCF-7 cells
<b>Species Specificity:</b> Human, mouse	<b>IHC :</b> mouse colon tissue, mouse kidney tissue, mouse brain tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

WNT3 is also named as INT4. WNT3 is required for normal gastrulation, formation of the primitive streak, and for the formation of the mesoderm during early embryogenesis (PMID: 14872406). Wnt3 is up-regulated in cancer tissues, such as gastric cancer and lung cancer. Wnt3, as a member of Wnt family, has been proved to promote the stabilization of  $\beta$ -catenin to regulate the radiation sensitivity of cancer cells (PMID: 31851619).

## 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

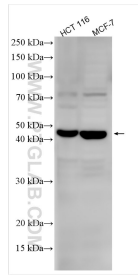
For technical support and original validation data for this product please contact:

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

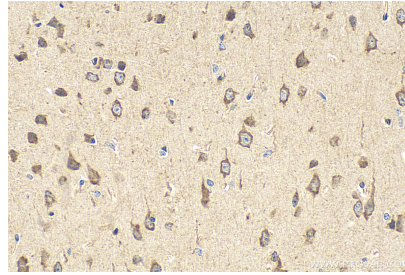
E: proteintech@ptglab.com  
W: ptglab.com

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

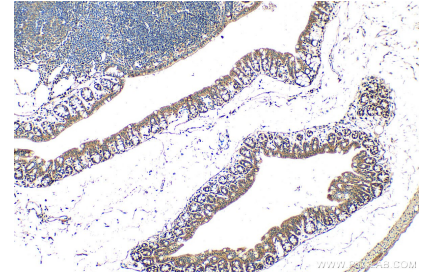
## Selected Validation Data



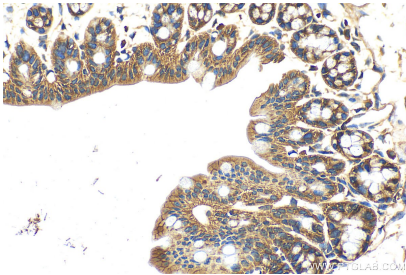
Various lysates were subjected to SDS PAGE followed by western blot with 28156-1-AP (WNT3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



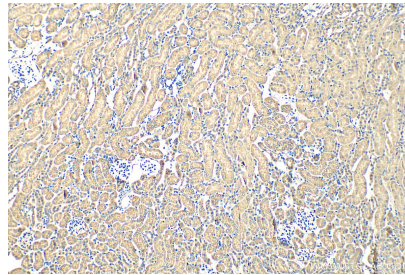
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28156-1-AP (WNT3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 28156-1-AP (WNT3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 28156-1-AP (WNT3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 28156-1-AP (WNT3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).