

For Research Use Only

# WNT3A Polyclonal antibody

Catalog Number: 26744-1-AP **39 Publications**



## Basic Information

<b>Catalog Number:</b> 26744-1-AP	<b>GenBank Accession Number:</b> BC103921	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 550 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 89780	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P56704	
<b>Isotype:</b> IgG	<b>Full Name:</b> wingless-type MMTV integration site family, member 3A	
<b>Immunogen Catalog Number:</b> AG25051	<b>Calculated MW:</b> 352 aa, 39 kDa	
	<b>Observed MW:</b> 42 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : fetal human brain tissue, MCF-7 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, Mouse	
<b>Cited Species:</b> human, mouse, rat	

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhihao Lv	36305172	Environ Toxicol	WB
Hongting Guo	34786330	J Bone Oncol	WB
Yuan Zhao	35720633	Exp Ther Med	WB

## Storage

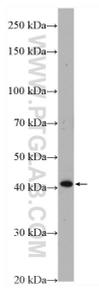
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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

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## Selected Validation Data



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 26744-1-AP (WNT3A antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.