

For Research Use Only

# TALPID3 Polyclonal antibody

Catalog Number: 24421-1-AP

Featured Product

11 Publications



## Basic Information

<b>Catalog Number:</b> 24421-1-AP	<b>GenBank Accession Number:</b> BC066647	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9786	<b>Recommended Dilutions:</b> IHC 1:50-1:500 IF/ICC 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BVV6	
<b>Isotype:</b> IgG	<b>Full Name:</b> KIAA0586	
<b>Immunogen Catalog Number:</b> AG19813	<b>Calculated MW:</b> 1533 aa, 169 kDa	

## Applications

<b>Tested Applications:</b> IHC, IF/ICC, ELISA	<b>Positive Controls:</b> IHC : human brain tissue, IF/ICC : MDCK cells,
<b>Cited Applications:</b> WB, ColP, IF	
<b>Species Specificity:</b> human, mouse, canine	
<b>Cited Species:</b> human, mouse, caenorhabditis elegans	
<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

KIAA0586 also named as Talpid3 is a 1472 amino-acid protein, which belongs to Talpid3 family. Talpid3 is a gene essential for vertebrate development. Studies in chicken, mouse, zebrafish and human have shown that TALPID3 is a centrosomal protein, mutants null for TALPID3 fail to produce cilia, resulting in far reaching signalling defects such as polydactyly, dorsalised neural tube, craniofacial and vascular defects often due to abnormalities in Hedgehog signal transduction. Talpid3 is absolutely required for the function of both Gli repressor and activator in the intracellular Hedgehog pathway and ciliogenesis. TALPID3 may be identified as a subcellular marker of centrosome and needed to further studied.

## Notable Publications

Author	Pubmed ID	Journal	Application
Louise A Stephen	26386247	Elife	IF
Eleni Petsouki	34518642	Commun Biol	WB
Hao Yan	32366837	Nat Commun	WB,IF,ColP

## Storage

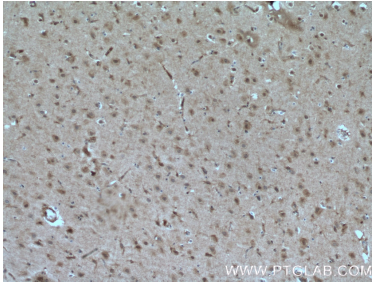
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

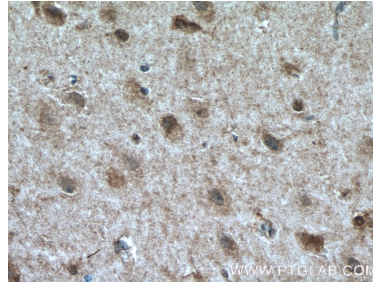
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

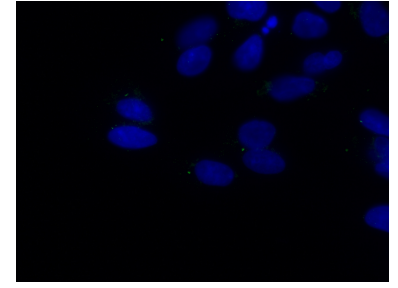
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 24421-1-AP (TALPID3 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 human brain tissue slide using 24421-1-AP (TALPID3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MDCK cells using TALPID3 antibody (24421-1-AP) at dilution of 1:2000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).