

For Research Use Only

TALPID3 Polyclonal antibody

Catalog Number: 24421-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 24421-1-AP	GenBank Accession Number: BC066647	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop and 413 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9786	Recommended Dilutions: IHC 1:50-1:500 IF 1:1000-1:4000
Source: Rabbit	Full Name: KIAA0586	
Isotype: IgG	Calculated MW: 1533 aa, 169 kDa	
Immunogen Catalog Number: AG19813		

Applications

Tested Applications: IF, IHC, ELISA	Positive Controls: IHC : human brain tissue, IF : MDCK cells,
Cited Applications: ColP, IF, WB	
Species Specificity: human, mouse, canine	
Cited Species: Caenorhabditis elegans, human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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, dorsalisated 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

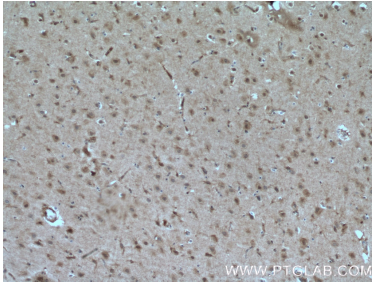
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

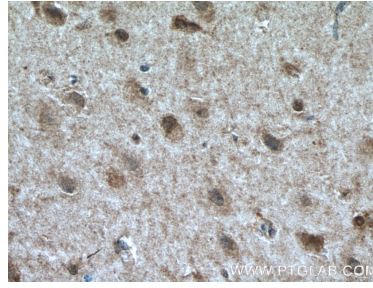
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

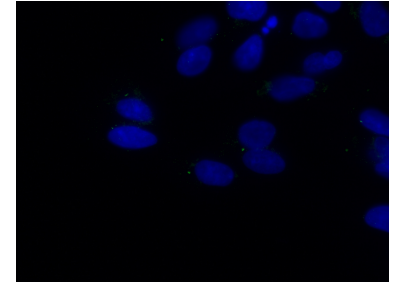
Selected Validation Data



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 AffiniPure Goat Anti-Rabbit IgG(H+L).