

For Research Use Only

# TALPID3 Polyclonal antibody

Catalog Number: 24421-1-AP

Featured Product

13 Publications



## Basic Information

Catalog Number:

24421-1-AP

Concentration:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19813

GenBank Accession Number:

BC066647

GeneID (NCBI):

9786

UNIPROT ID:

Q9BVV6

Full Name:

KIAA0586

Calculated MW:

1533 aa, 169 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC: 1:50-1:500

IF/ICC: 1:1000-1:4000

## Applications

Tested Applications:

IHC, IF/ICC, ELISA

Cited Applications:

WB, IF, ColP

Species Specificity:

human, mouse, canine

Cited Species:

human, mouse, caenorhabditis elegans

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

IHC : human brain tissue,

IF/ICC : MDCK cells,

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

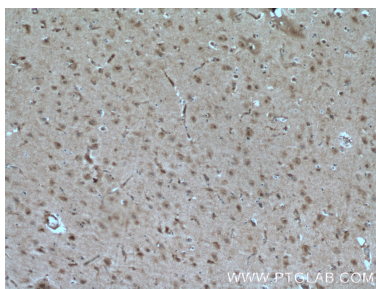
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

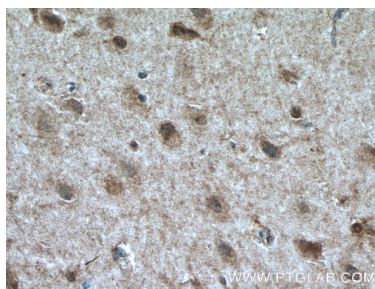
W: [ptgcn.com](http://ptgcn.com)

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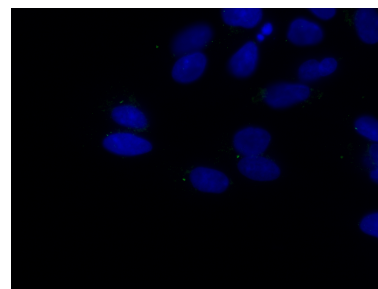
## Selected Validation Data



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).