

**TULP3 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19016b**

**Specification**

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**TULP3 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O75386</a>
Other Accession	<a href="#">NP_001153880.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49642
Antigen Region	374-400

**TULP3 Antibody (C-term) - Additional Information**

**Gene ID** 7289

**Other Names**

Tubby-related protein 3, Tubby-like protein 3, TULP3, TUBL3

**Target/Specificity**

This TULP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 374-400 amino acids from the C-terminal region of human TULP3.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TULP3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TULP3 Antibody (C-term) - Protein Information**

**Name** TULP3 ([HGNC:12425](#))

**Synonyms** TUBL3

**Function** Negative regulator of the Shh signaling transduction pathway: recruited to primary cilia via association with the IFT complex A (IFT- A) and is required for recruitment of G protein-coupled receptor GPR161 to cilia, a promoter of PKA-dependent basal repression machinery in Shh signaling. Binds to phosphorylated inositide (phosphoinositide) lipids. Both IFT-A- and phosphoinositide-binding properties are required to regulate ciliary G protein-coupled receptor trafficking. During adipogenesis, regulates ciliary trafficking of FFAR4 in preadipocytes.

#### Cellular Location

Nucleus. Cell membrane. Cell projection, cilium. Cytoplasm. Secreted. Note=Does not have a cleavable signal peptide and is secreted by a non-conventional pathway (By similarity). Translocates from the plasma membrane to the nucleus upon activation of guanine nucleotide-binding protein G(q) subunit alpha

#### Tissue Location

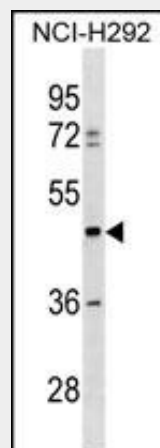
Expressed at high levels in testis, ovaries, thyroid, and spinal cord.

### TULP3 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### TULP3 Antibody (C-term) - Images



TULP3 Antibody (C-term) (Cat. #AP19016b) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the TULP3 antibody detected the TULP3 protein (arrow).

### TULP3 Antibody (C-term) - Background

This gene encodes a member of the tubby gene family of bipartite transcription factors. Members of this family have been identified in plants, vertebrates, and invertebrates, and they share a conserved N-terminal transcription activation region and a

conserved C-terminal DNA and phosphatidylinositol-phosphate binding region. The encoded protein binds to phosphoinositides in the plasma membrane via its C-terminal region and probably functions as a membrane-bound transcription regulator that translocates to the nucleus in response to phosphoinositide hydrolysis, for instance, induced by G-protein-coupled-receptor signaling. It plays an important role in neuronal development and function. Two transcript variants encoding distinct isoforms have been identified for this gene.

#### **TULP3 Antibody (C-term) - References**

Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :  
Ikeda, A., et al. J. Cell. Sci. 115 (PT 1), 9-14 (2002) :  
Santagata, S., et al. Science 292(5524):2041-2050(2001)  
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Nishina, P.M., et al. Genomics 54(2):215-220(1998)