

## Rabbit WTAP Polyclonal Antibody | anti-WTAP antibody

WTAP Antibody

|                               |                       |                                        |                                                                                      |
|-------------------------------|-----------------------|----------------------------------------|--------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA232866</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|--------------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

WTAP; Polyclonal Antibody; WTAP Antibody; Pre-mRNA-splicing regulator WTAP; Female-lethal(2)D homolog; hFL(2)D; WT1-associated protein; Wilms tumor 1-associating protein; KIAA0105; anti-WTAP antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                           |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                    |
| Reactivity                                     | Human, Mouse, Rat                                                                                                         |
| Clonality                                      | Polyclonal                                                                                                                |
| Isotype                                        | IgG                                                                                                                       |
| Purity/Purification                            | >95%, Protein G purified                                                                                                  |
| Form/Format                                    | Liquid                                                                                                                    |
| Sequence Length                                | 396                                                                                                                       |
| Applicable Applications for anti-WTAP antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                             |
| Immunogen                                      | Recombinant Human Pre-mRNA-splicing regulator WTAP protein (1-151AA)                                                      |
| Preservative                                   | 0.03% Proclin 300                                                                                                         |
| Constituents                                   | 50% Glycerol, 0.01M PBS, pH 7.4                                                                                           |
| Conjugation                                    | Non-conjugated                                                                                                            |
| Santa Cruz Alternative                         | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-55438 / sc-55439 / sc-55440 / sc-55441 / sc-67389 |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.            |

### IMAGES



#### IHC (Immunohistochemistry)

Immunofluorescent analysis of HeLa cells using AAA232866 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA232866 at dilution of 1:100



**WB (Western Blot)**

Western BlotPositive WB detected in: Mouse kidney tissue,Rat heart tissue,Rat liver tissueAll lanes: WTAP antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size:45,18 KDaObserved band size: 45 KDa

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-WTAP antibody | Regulatory subunit of the WMM N6-methyltransferase complex, a multiprotein complex that mediates N6-methyladenosine (m6A) methylation of some adenosine residues of some mRNAs and plays a role in the efficiency of mRNA splicing, processing and mRNA stability. Required for accumulation of METTL3 and METTL14 to nuclear speckle (PubMed: 24316715, PubMed: 24407421, PubMed: 24981863). Acts as a mRNA splicing regulator (PubMed: 12444081). Regulates G2/M cell-cycle transition by binding to the 3' UTR of CCNA2, which enhances its stability (PubMed: 17088532). Impairs WT1 DNA-binding ability and inhibits expression of WT1 target genes (PubMed: 17095724). |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 395455090                                      |
| NCBI GeneID                      | 9589                                           |
| NCBI Accession #                 | NP_001257460.1                                 |
| NCBI GenBank Nucleotide #        | NM_001270531.1                                 |
| UniProt Accession #              | Q15007; Q5TCL8; Q5TCL9; Q96T28; Q9BYJ7; Q9H4E2 |
| Molecular Weight                 | 17,801 Da                                      |
| NCBI Official Full Name          | pre-mRNA-splicing regulator WTAP isoform 1     |
| NCBI Official Synonym Full Names | Wilms tumor 1 associated protein               |
| NCBI Official Symbol             | WTAP                                           |
| NCBI Official Synonym Symbols    | Mum2                                           |
| NCBI Protein Information         | pre-mRNA-splicing regulator WTAP               |
| UniProt Protein Name             | Pre-mRNA-splicing regulator WTAP               |
| UniProt Gene Name                | WTAP                                           |
| UniProt Synonym Gene Names       | KIAA0105; hFL(2)D                              |
| UniProt Entry Name               | FL2D_HUMAN                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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