

For Research Use Only

# TSPYL2/CDA1 Recombinant monoclonal antibody

Catalog Number: 87406-1-RR



## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>87406-1-RR        | <b>GenBank Accession Number:</b><br>BC024270 | <b>Purification Method:</b><br>Protein A purification |
| <b>Source:</b><br>Rabbit                    | <b>GeneID (NCBI):</b><br>64061               | <b>CloneNo.:</b><br>252804E4                          |
| <b>Isotype:</b><br>IgG                      | <b>UNIPROT ID:</b><br>Q9H2G4                 | <b>Recommended Dilutions:</b><br>WB: 1:1000-1:4000    |
| <b>Immunogen Catalog Number:</b><br>AG41206 | <b>Full Name:</b><br>TSPY-like 2             |   |
|   | <b>Calculated MW:</b><br>693 aa, 79 kDa      |   |
|   | <b>Observed MW:</b><br>120 kDa               |   |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>WB, ELISA | <b>Positive Controls:</b><br>WB : HeLa cells, HEK-293 cells, DU 145 cells |
| <b>Species Specificity:</b><br>human     |   |

## Background Information

TSPYL2 (also known as CINAP, CDA1, TSPX or DENTT) is a new member of the nucleosome assembly protein superfamily. TSPYL2 binds histones and facilitates nucleosome assembly. TSPYL2 is expressed in various tissues, highly in the pituitary gland and moderately in the adrenals, brain, testis, and ovary. Immunohistochemical staining analysis for TSPYL2 showed differential cytoplasmic and nuclear staining patterns in several cell types. Downregulated expression of TSPYL2 has been observed in several tumors, which suggests its role as a tumor suppressor. Although it is predicted that TSPYL2 has a molecular mass of 79.43 kDa, it is found that mammalian TSPYL2 appears at a size of 120 kDa by western blot analysis. The abundant acidic amino acid regions in TSPYL2 may cause its aberrant migration. In addition, the TSPYL2 protein is unstable and sensitive to proteasomal degradation.

## 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:

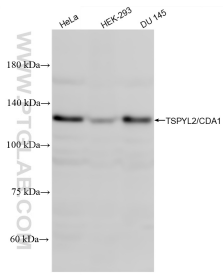
T: 4006900926

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

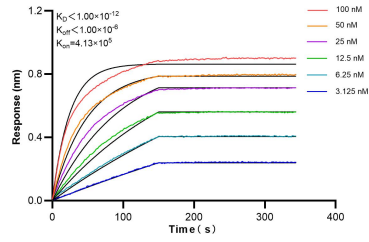
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87406-1-RR (TSPYL2,TSPX,NP79 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87406-1-RR against Human TSPYL2/CDA1 were performed. The affinity constant is below 1 pM.