

## CDA1 Polyclonal Antibody

Catalog number: 12087-2-AP

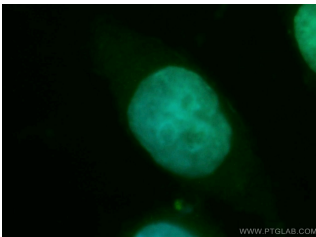
Size: 39 µg/150 µl

Source: Rabbit

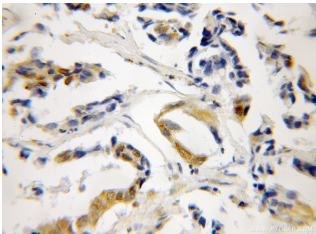
Isotype: IgG

Synonyms:

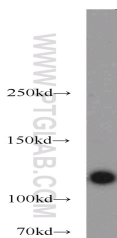
TSPYL2; CDA1, Cell division autoantigen 1, CINAP, CTCL, DENTT, NP79, Nuclear protein of 79 kDa, TSPX, TSPYL2



Immunofluorescent analysis of HeLa cells, using TSPYL2 antibody 12087-2-AP at 1:50 dilution and FITC-labeled donkey anti-rabbit IgG (green). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical of paraffin-embedded human lung cancer using 12087-2-AP (TSPYL2, TSPX, NP79 antibody) at dilution of 1:50 (under 40x lens)



HeLa cells were subjected to SDS PAGE followed by western blot with 12087-2-AP (TSPYL2, TSPX, NP79 antibody) at dilution of 1:1000

### Background

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.

### Applications

Tested applications:	ELISA, IHC, IF, IP, WB
Cited applications:	WB
Species specificity:	Human; other species not tested.
Cited species:	Human
Calculated CDA1 MW:	693aa, 79 kDa
Observed CDA1 MW:	120 kDa
Positive WB detected in	HeLa cells, DU 145 cells, HEK-293 cells, MCF7 cells
Positive IP detected in	HEK-293 cells
Positive IHC detected in	Human lung cancer tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:20-1:200

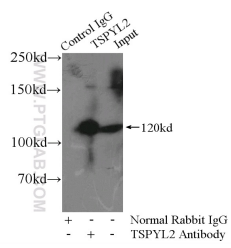
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag2722
GenBank accession number:	BC024270
Gene ID (NCBI):	64061
Full name:	TSPY-like 2

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



**IP Result of anti-TSPYL2,TSPX,NP79**  
**(IP:12087-2-AP, 4ug;**  
**Detection:12087-2-AP 1:1000)**  
**with HEK-293 cells lysate**  
**1000ug.**