

For Research Use Only

TSPYL2/CDA1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87406-1-PBS



Basic Information

Catalog Number: 87406-1-PBS	GenBank Accession Number: BC024270	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 64061	CloneNo.: 252804E4
Source: Rabbit	UNIPROT ID: Q9H2G4	
Isotype: IgG	Full Name: TSPY-like 2	
Immunogen Catalog Number: AG41206	Calculated MW: 693 aa, 79 kDa	
	Observed MW: 120 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
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

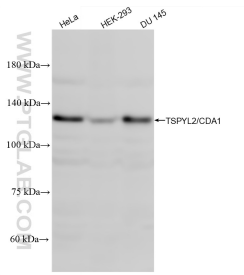
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

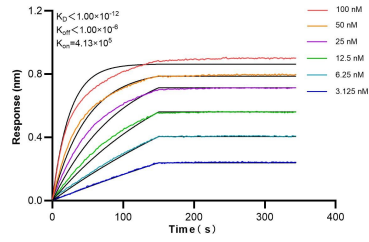
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Selected Validation Data



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. This data was developed using the same antibody clone with 87406-1-PBS in a different storage buffer formulation.



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