

For Research Use Only

TTDN1 Polyclonal antibody

Catalog Number: 25410-1-AP



Basic Information

Catalog Number: 25410-1-AP	GenBank Accession Number: BC026265	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 136647	Recommended Dilutions: WB 1:200-1:1000 IF 1:50-1:500
Source: Rabbit	Full Name: chromosome 7 open reading frame 11	
Isotype: IgG	Calculated MW: 179 aa, 19 kDa	
Immunogen Catalog Number: AG22094	Observed MW: 23 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : NIH/3T3 cells, IF : A431 cells,
Species Specificity: human, mouse, rat	

Background Information

TTDN1 colocalizes with Plk1 at the centrosome in mitosis and the midbody during cytokinesis. It is phosphorylated by Cdk1 in mitosis, and this is required for its interaction with Plk1. Overexpression of TTDN1 or its knockdown by siRNA causes multi-polar spindles and multiple nuclei, suggesting that TTDN1 plays a role in regulating mitosis and cytokinesis. Mutations in the TTDN1 gene are associated with a distinct trichothiodystrophy phenotype. (PMID:17310276, 25290684)

Storage

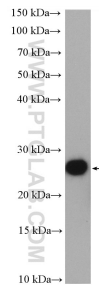
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

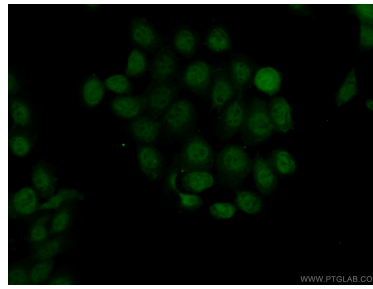
For technical support and original validation data for this product please contact:
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Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 25410-1-AP (TTDN1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using 25410-1-AP (TTDN1 antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).