For Research Use Only

TTDN1 Polyclonal antibody

Catalog Number:25410-1-AP

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Basic Information

Catalog Number:
25410-1-AP

Size:
500 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG22094

GenBank Accession Number:
BC026265

GeneID (NCBI):
136647

UNIPROT ID:
Q8TAP9

Full Name:
chromosome 7 open reading frame 11

Calculated MW:
179 aa, 19 kDa

Observed MW:
23 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:200-1:1000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : NIH/3T3 cells,

IHC : human intrahepatic cholangiocarcinoma tissue,

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

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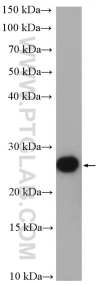
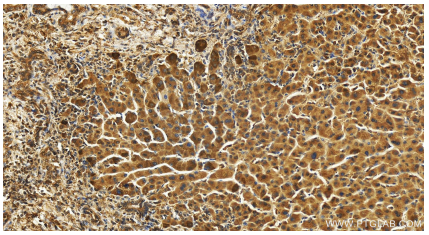
Selected Validation Data



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.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 25410-1-AP (TTDN1 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).