

ERp19 Polyclonal antibody

Catalog Number: 20181-1-AP

Basic Information

Catalog Number:

20181-1-AP

Concentration:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14045

GenBank Accession Number:

BC001493

GeneID (NCBI):

51060

UNIPROT ID:

O95881

Full Name:

thioredoxin domain containing 12
(endoplasmic reticulum)

Calculated MW:

172 aa, 19 kDa

Observed MW:

20 kDa, 40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

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 : A172 cells, LN-229 cells, U-251 cells

IHC : human liver cancer tissue, human hepatocirrhosis tissue

Background Information

TXNDC12, which is known as thioredoxin domain-containing protein 12, ERp16, ERp18, ERp19, or hTLP19, is a member of the protein disulfide isomerase (PDI) family that plays important roles in cancer development and progression. TXNDC12 has been demonstrated to contribute to tumorigenicity in human gastric cancer by promoting cell growth, migration, and invasion (PMID: 25940440). Other studies also revealed the overexpression of TXNDC12 promotes HCC metastasis through β -catenin-mediated induction of EMT and that TXNDC12 has the potential to be a prognostic factor and therapeutic target of HCC. (PMID: 31570854)

Storage

Storage:

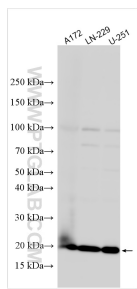
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

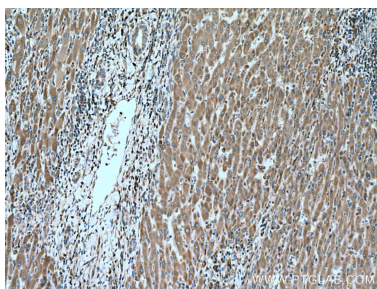
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

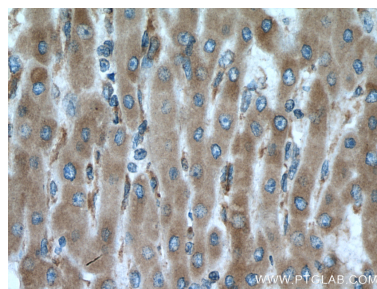
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20181-1-AP (ERp19 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20181-1-AP (ERp19 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20181-1-AP (ERp19 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).