TRMT112 Polyclonal antibody

Catalog Number:26472-1-AP   **1 Publications**

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Basic Information

Catalog Number:
26472-1-AP

Size:
150ul , Concentration: 400 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG24126

GenBank Accession Number:
BC017172

GeneID (NCBI):
51504

UNIPROT ID:
Q9UI30

Full Name:
hypothetical protein HSPC152

Observed MW:
14 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:3000
IHC 1:250-1:1000

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB

Species Specificity:
human

Cited Species:
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 : HEK-293 cells, HeLa cells, K-562 cells, PC-3 cells, SH-SY5Y cells

IHC : human ovary tumor tissue,

Background Information

TRMT112 is a small evolutionarily conserved protein that acts as a co-factor and activator for different MTases involved in rRNA, tRNA and protein methylation. The TRMT112 interaction with 18S rRNA MTases WBSCR22 (BUD23, MERM1) and METTL5 is required for their metabolic stability and enzymatic activity in cells. (PMID: 34948388, PMID: 34948388)

Notable Publications

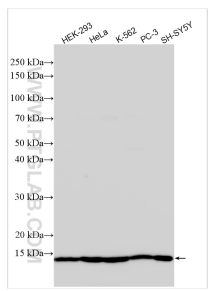| Author	Pubmed ID	Journal	Application
Baozhu Zhang	33408271	Aging (Albany NY)	WB

Storage

Storage:
Store at -20℃. 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
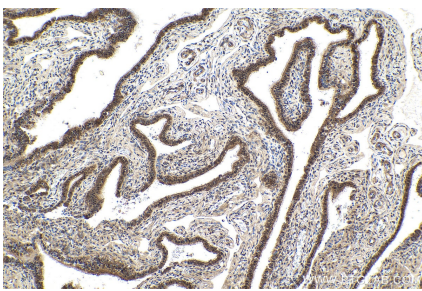
*** 20ul sizes contain 0.1% BSA

Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 26472-1-AP (TRMT112 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 26472-1-AP (TRMT112 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).