

For Research Use Only

# Tesmin Polyclonal antibody, PBS Only

Catalog Number: 33326-1-PBS



## Basic Information

Catalog Number:

33326-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG39255

GenBank Accession Number:

NM\_004923.3

GeneID (NCBI):

9633

UNIPROT ID:

Q9Y4I5

Full Name:

metallothionein-like 5, testis-specific (tesmin)

Calculated MW:

55kDa, 508aa

Observed MW:

60 kDa

Purification Method:

Antigen affinity Purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

Testis Expressed Metallothionein Like Protein (Tesmin), also known as Metallothionein-Like 5 (MTL5), encodes the metallothionein-like protein owning some characteristics of metallothionein. Tesmin is a 60 kDa protein which has cysteine-rich motifs (CXC domain), characteristic of metallothioneins (MTs). Tesmin was closely related to meiosis in the reproductive process. As a testis-specific protein, the localization of Tesmin changed dynamically with the progression of meiosis in a mouse experiment, the process of which might be responsive to metal stress like cadmium by oxidative stress (Cd), as well as require the involvement of LIN9. So far, the expression of Tesmin in adult humans has been observed in prostate and gastric cancer (PMID: 39229988, PMID: 33281959, PMID: 31059101).

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

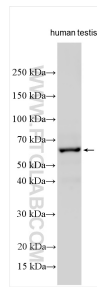
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Human testis tissue were subjected to SDS PAGE followed by western blot with 33326-1-AP (Tesmin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33326-1-PBS in a different storage buffer formulation.