

For Research Use Only

# Tesmin Polyclonal antibody

Catalog Number:33326-1-AP



## Basic Information

<b>Catalog Number:</b> 33326-1-AP	<b>GenBank Accession Number:</b> NM_004923.3	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9633	<b>Recommended Dilutions:</b> WB: 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y4I5	
<b>Isotype:</b> IgG	<b>Full Name:</b> metallothionein-like 5, testis-specific (tesmin)	
<b>Immunogen Catalog Number:</b> AG39255	<b>Calculated MW:</b> 55kDa 508aa	
	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human testis tissue,
<b>Species Specificity:</b> 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 -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

\*\*\* 20ul sizes contain 0.1% BSA

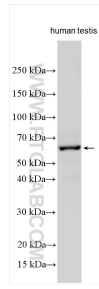
For technical support and original validation data for this product please contact:

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## Selected Validation Data



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.