

For Research Use Only

TEX264 Polyclonal antibody

Catalog Number: 25858-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

25858-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23027

GenBank Accession Number:

BC008742

GeneID (NCBI):

51368

UNIPROT ID:

Q9Y6I9

Full Name:

testis expressed 264

Calculated MW:

313 aa, 34 kDa

Observed MW:

37 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

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, mouse testis tissue, mouse brain tissue, HeLa cells, Neuro-2a cells

IHC : mouse testis tissue, human testis tissue

IF/ICC : U-251 cells,

Background Information

TEX264 (testes expressed gene 264) is a single-pass transmembrane protein, consisting of an N-terminal hydrophobic region, a gyrase inhibitory (GyrI)-like domain, and a loosely structured C terminus. TEX264 was first identified as an endoplasmic reticulum (ER)-resident Atg8-family-binding protein that mediates the degradation of portions of the ER during starvation (i.e., reticulophagy). TEX264 was identified as a cofactor of VCP/p97 ATPase that promotes the repair of covalently trapped TOP1 (DNA topoisomerase 1)-DNA crosslinks.

Notable Publications

Author	Pubmed ID	Journal	Application
Svenja Zielke	33111629	Autophagy	IF
Andrew Kennedy	35704470	Mol Biol Cell	WB,IF
Zhiyu Wang	35061945	ACS Chem Neurosci	WB,IF

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

*** 20ul sizes contain 0.1% BSA

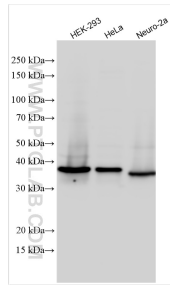
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

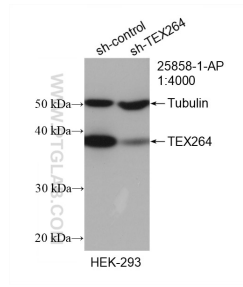
E: proteintech@ptglab.com
W: ptglab.com

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

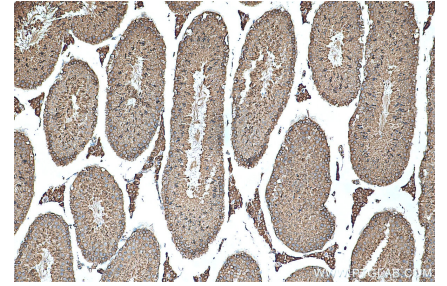
Selected Validation Data



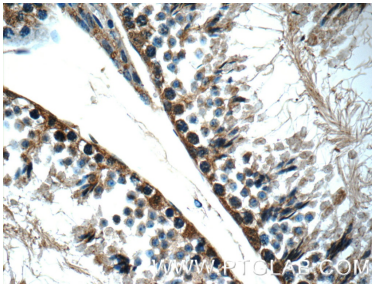
Various lysates were subjected to SDS PAGE followed by western blot with 25858-1-AP (TEX264 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



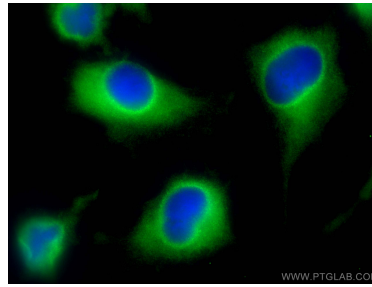
WB result of TEX264 antibody (25858-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TEX264 transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 25858-1-AP (TEX264 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 mouse testis tissue slide using 25858-1-AP (TEX264 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using TEX264 antibody (25858-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).