

For Research Use Only

TXNIP Polyclonal antibody, PBS Only

Catalog Number: 18243-1-PBS

Featured Product



Basic Information

Catalog Number:

18243-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13009

GenBank Accession Number:

BC093702

GeneID (NCBI):

10628

UNIPROT ID:

Q9H3M7

Full Name:

thioredoxin interacting protein

Calculated MW:

391 aa, 44 kDa

Observed MW:

44-55 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

TXNIP, also known as VDUP-1 or TBP-2, belongs to alpha-arrestin protein family and is perhaps the only family member known to bind thioredoxin (TRX). TXNIP was induced by Vitamin D3, but not induced by another monocyte or macrophage differentiation inducer: phorbol 12-myristate 13-acetate (PMA). TXNIP bound catalytic active center of thioredoxin (TRX), which protected cells against oxidative stress. TXNIP was found to be a negative regulator of thioredoxin activity and inducer of the intracellular level of reactive oxygen species (ROS). TXNIP plays an important role in a wide variety of biological functions, such as the regulation of cell death, growth, differentiation, and energy metabolism.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

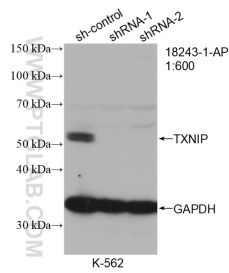
For technical support and original validation data for this product please contact:

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

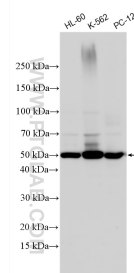
E: proteintech@ptglab.com
W: ptglab.com

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

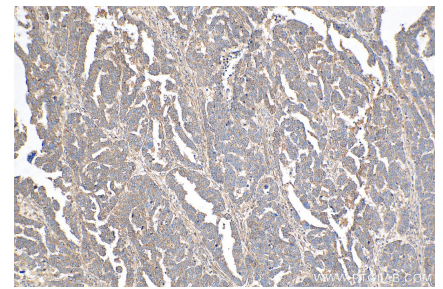
Selected Validation Data



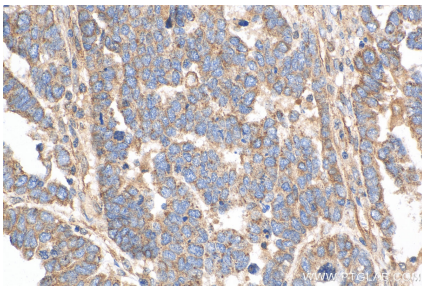
WB result of TXNIP antibody (18243-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-TXNIP transfected K-562 cells. This data was developed using the same antibody clone with 18243-1-PBS in a different storage buffer formulation.



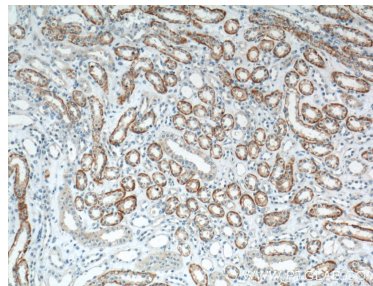
Various lysates were subjected to SDS PAGE followed by western blot with 18243-1-AP (TXNIP antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18243-1-PBS in a different storage buffer formulation.



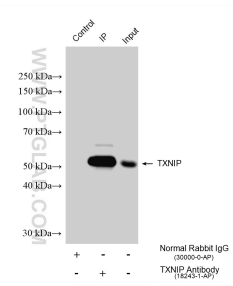
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 18243-1-AP (TXNIP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18243-1-PBS in a different storage buffer formulation.



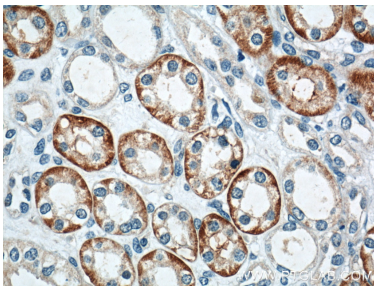
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 18243-1-AP (TXNIP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18243-1-PBS in a different storage buffer formulation.



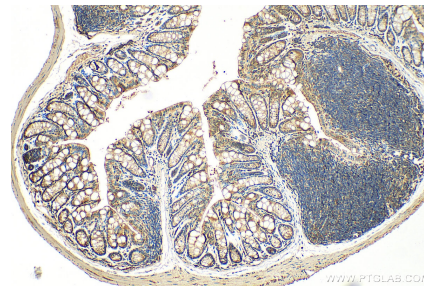
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 18243-1-AP (TXNIP Antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 18243-1-PBS in a different storage buffer formulation.



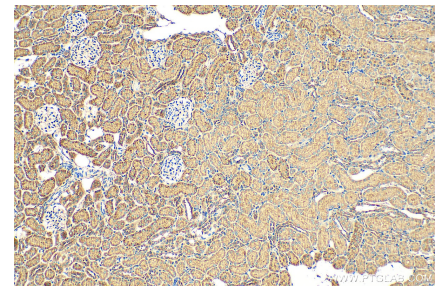
IP result of anti-TXNIP (IP:18243-1-AP, 4ug; Detection:18243-1-AP 1:1000) with BxPC-3 cells lysate 1320 ug. This data was developed using the same antibody clone with 18243-1-PBS in a different storage buffer formulation.



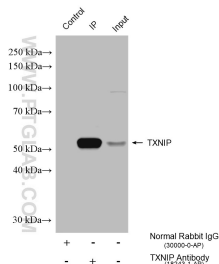
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 18243-1-AP (TXNIP Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 18243-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 18243-1-AP (TXNIP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18243-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 18243-1-AP (TXNIP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18243-1-PBS in a different storage buffer formulation.



IP result of anti-TXNIP (IP:18243-1-AP, 4ug;
Detection:18243-1-AP 1:1000) with HL-60 cells
lysate 1480 ug. This data was developed using the
same antibody clone with 18243-1-PBS in a
different storage buffer formulation.