

For Research Use Only

Pan-PAX Polyclonal antibody

Catalog Number: 21383-1-AP **5 Publications**



Basic Information

Catalog Number:

21383-1-AP

Size:

150ul , Concentration: 450 µg/ml by Nanodrop and 353 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16018

GenBank Accession Number:

BC001060

GeneID (NCBI):

7849

Full Name:

paired box 8

Calculated MW:

450 aa, 48 kDa

Observed MW:

36-48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, pig, rat

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 : SKOV-3 cells, A2780 cells

IP : SKOV-3 cells,

IHC : human ovary tumor tissue, human renal cell carcinoma tissue, human kidney tissue

IF : SKOV-3 cells,

Background Information

PAX genes encode a family of developmentally regulated transcription factors that have been implicated in a number of human and murine congenital disorders, as well as in tumorigenesis. These genes are defined by the presence of an evolutionarily conserved DNA binding domain, termed the paired domain. Many paired domain-containing proteins recognize a common sequence motif. The immunogen of this antibody is the Paired box domain of PAX family. This antibody is a Pan-PAX antibody.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|---------------------|-----------|------------|-------------|
| Zi-Yang Zhang | 32606037 | Sci Signal | IHC |
| Sergio E Palma-Vera | 28231273 | PLoS One | IF |
| Qiwang Ma | 29198839 | Life Sci | 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

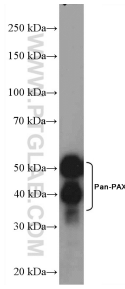
For technical support and original validation data for this product please contact:

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

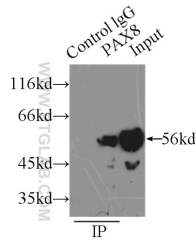
E: proteintech@ptglab.com
W: ptglab.com

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

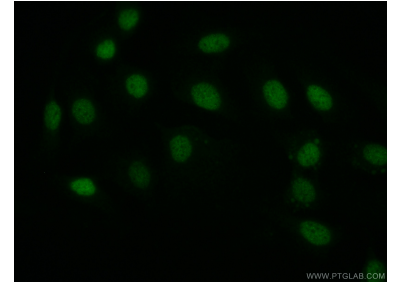
Selected Validation Data



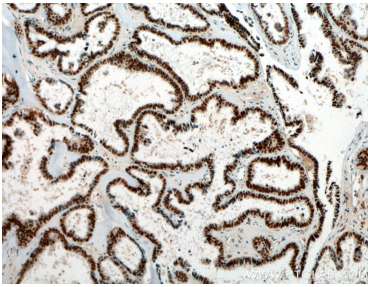
SKOV-3 cells were subjected to SDS PAGE followed by western blot with 21383-1-AP (Pan-PAX antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



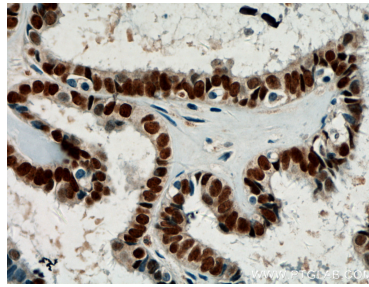
IP Result of anti-pan-PAX (IP:21383-1-AP, 3ug; Detection:21383-1-AP 1:800) with SKOV-3 cells lysate 2500ug.



Immunofluorescent analysis of (-20 Ethanol) fixed SKOV-3 cells using 21383-1-AP (Pan-PAX antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 21383-1-AP (Pan-PAX 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 human ovary tumor tissue slide using 21383-1-AP (Pan-PAX antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).