

For Research Use Only

PAX8 Polyclonal antibody

Catalog Number: 10336-1-AP

Featured Product

409 Publications



Basic Information

Catalog Number: 10336-1-AP	GenBank Accession Number: BC001060	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7849	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:1000-1:5000 IF 1:50-1:500
Source: Rabbit	Full Name: paired box 8	
Isotype: IgG	Calculated MW: 48 kDa	
Immunogen Catalog Number: AG0306	Observed MW: 48 kDa, 58 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

CoIP, FC, IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

bovine, human, mouse, pig, rat, zebrafish

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, HEK-293 cells, Raji cells, NIH/3T3 cells

IHC : human ovary tumor tissue, human thyroid cancer tissue, human renal cell carcinoma tissue, mouse kidney tissue

IF : SKOV-3 cells, mouse kidney tissue

Background Information

PAX8 is a member of the paired box (PAX) family of transcription factors, typically containing a paired box domain and a paired-type homeodomain. It is expressed during organogenesis of the thyroid gland, kidney and Mullerian system. It is thought to regulate the expression of Wilms tumor suppressor (WT1) gene and mutations in PAX8 have been associated with Wilms tumor cells, thyroid and ovarian carcinomas. PAX8 is a useful marker in distinguishing ovarian carcinomas from mammary carcinomas (PMID: 18724243). PAX8 is expressed in a high percentage of ovarian serous, endometrioid, and clear cell carcinomas, but only rarely in primary ovarian mucinous adenocarcinomas.

This antibody can detect all 5 isoforms of PAX8 (31 kDa, 34 kDa, 41 kDa, 43 kDa and 48 kDa). A 58-60 kDa form has also been reported (PMID:15650356, 1049952). Proteintech's 10336-1-AP antibody has cross-reactivities with the other PAX family members.

Notable Publications

Author	Pubmed ID	Journal	Application
Yong Kyun Kim	28905451	Stem Cells	IF
Olga Kondrashova	30266954	Nat Commun	IHC
B Ilhan	27765277	Curr Res Transl Med	IHC

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

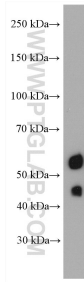
For technical support and original validation data for this product please contact:

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

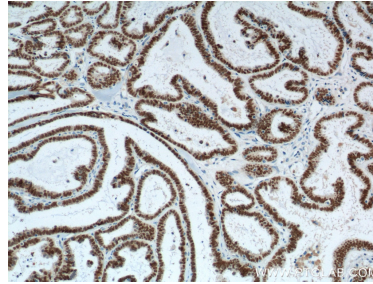
E: proteintech@ptglab.com
W: ptglab.com

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

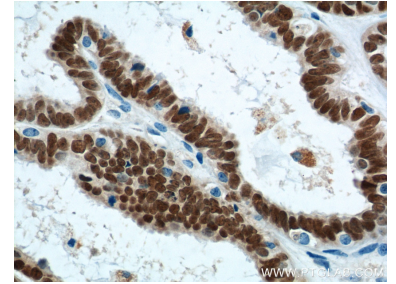
Selected Validation Data



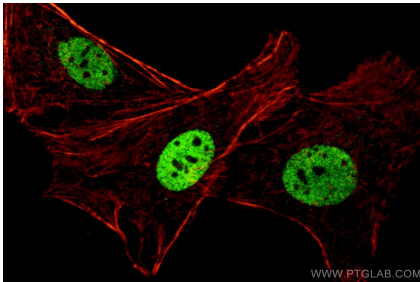
SKOV-3 cells were subjected to SDS PAGE followed by western blot with 10336-1-AP (PAX8 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



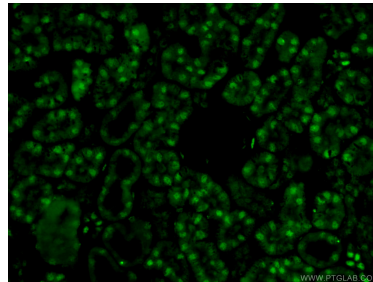
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 10336-1-AP (PAX8 Antibody) at dilution of 1:1200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 10336-1-AP (PAX8 Antibody) at dilution of 1:1200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Confocal immunofluorescent analysis of (4% PFA) fixed SKOV-3 cells using 10336-1-AP (PAX8 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Phalloidin stains F-actin (Red).



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using 10336-1-AP (PAX8 antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).