

For Research Use Only

PAX8 Monoclonal antibody

Catalog Number: 60145-4-Ig **8 Publications**



Basic Information

Catalog Number: 60145-4-Ig	GenBank Accession Number: BC001060	Purification Method: Protein A purification
Size: 150ul , Concentration: 2100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7849	CloneNo.: 4H7B3
Source: Mouse	UNIPROT ID: Q06710	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:5000-1:20000 IF 1:50-1:500
Isotype: IgG2b	Full Name: paired box 8	
Immunogen Catalog Number: AG0306	Calculated MW: 48 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : SKOV-3 cells, HepG2 cells, human thyroid gland tissue
Cited Applications: WB,IHC,IF	IHC : human ovary tumor tissue, human tonsillitis tissue, human thyroid cancer tissue, rat kidney tissue, mouse kidney tissue
Species Specificity: human, mouse , rat	IF : SKOV-3 cells,
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

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.

PAX8 has 5 isoforms with calculated MW 31kd, 34kd, 41kd, 43kd and 48kd. And there is a 60kd band corresponding to the electrophoretic mobility of PAX8 (PMID:15650356).

Notable Publications

Author	Pubmed ID	Journal	Application
Xue Tan	34631693	Front Cell Dev Biol	IHC,IF
Ping Qiu	35672291	Cell Death Discov	WB
Hyesung Kim	35778589	Sci Rep	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

*** 20ul sizes contain 0.1% BSA

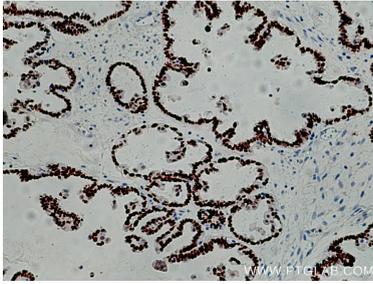
For technical support and original validation data for this product please contact:

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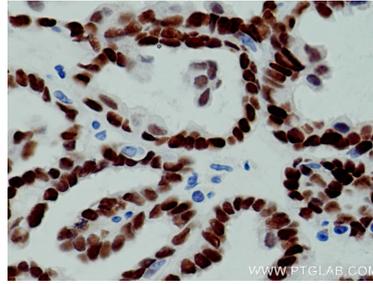
E: proteintech@ptglab.com
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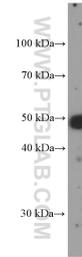
Selected Validation Data



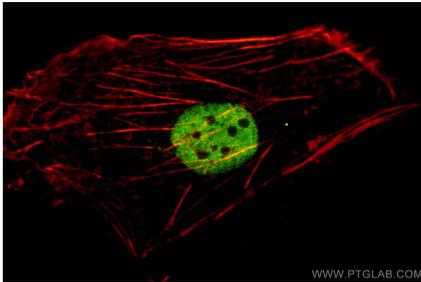
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 60145-4-Ig (PAX8 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 60145-4-Ig (PAX8 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



SKOV-3 cells were subjected to SDS PAGE followed by western blot with 60145-4-Ig (PAX8 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Confocal immunofluorescent analysis of (4% PFA) fixed SKOV-3 cells using 60145-4-Ig (PAX8 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). Phalloidin stains F-actin (Red).