

For Research Use Only

# PAX8 Polyclonal antibody

Catalog Number: 21384-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 21384-1-AP	<b>GenBank Accession Number:</b> BC001060	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 587 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7849	
<b>Source:</b> Rabbit	<b>Full Name:</b> paired box 8	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 450 aa, 48 kDa	
<b>Immunogen Catalog Number:</b> AG16019		

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
IF

**Species Specificity:**  
human

**Cited Species:**  
human, mouse

## 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. The specific function of the PAX8 is unknown but it may involve kidney cell differentiation, thyroid development, or thyroid dysgenesis. Several other splice variants have been proposed but the full nature of these products has not been described. Pax8 is also a marker of otic progenitor cells. PAX8 is a useful marker in distinguishing ovarian carcinomas from mammary carcinomas. PAX8 can be used in a differential diagnosis between primary and secondary ovarian carcinomas in patients with a previous history of breast cancer. Mutation of PAX8 will cause congenital hypothyroidism non-goitrous type 2 (CHNG2). This antibody is specific to Pax8.

## Notable Publications

Author	Pubmed ID	Journal	Application
Nur Yucer	28878359	Sci Rep	IF
Nur Yucer	34965417	Cell Rep	

## 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.

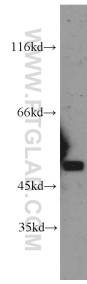
Aliquoting is unnecessary for -20°C storage

**\*\*\* 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



mouse brain tissue were subjected to SDS PAGE followed by western blot with 21384-1-AP (PAX8 antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.