

For Research Use Only

# PAX2 Polyclonal antibody

Catalog Number: 29307-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 29307-1-AP	<b>GenBank Accession Number:</b> BC148710	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 600 µg/ml	<b>GeneID (NCBI):</b> 5076	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q02962	
<b>Isotype:</b> IgG	<b>Full Name:</b> paired box 2	
<b>Immunogen Catalog Number:</b> AG30717	<b>Calculated MW:</b> 431 aa, 46 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : mouse cerebellum tissue, rat cerebellum tissue IHC : mouse kidney tissue, human renal cell carcinoma tissue
<b>Cited Applications:</b> FC, IHC	
<b>Species Specificity:</b> Human, mouse, rat	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

PAX2 is a transcription factor, primarily expressed during embryonic development. It has a critical role in the development of the urogenital tract, the eyes, and the CNS. It plays a key role during renal development and to act as an oncogene favoring renal tumor growth. PAX2 was suggested as a sensitive and highly specific marker for renal cell carcinoma (RCC).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiangmin Lv	34888112	Sci Bull (Beijing)	IHC
Bella Rossbach	35456007	Cells	FC

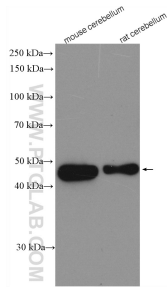
## Storage

**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

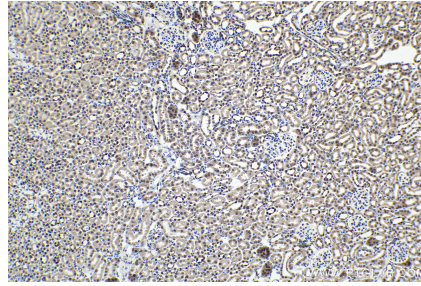
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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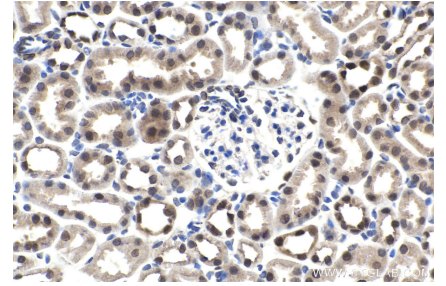
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29307-1-AP (PAX2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 29307-1-AP (PAX2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 29307-1-AP (PAX2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).