

For Research Use Only

# FOXP4 Polyclonal antibody

Catalog Number: 29311-1-AP



## Basic Information

<b>Catalog Number:</b> 29311-1-AP	<b>GenBank Accession Number:</b> BC052803	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 116113	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8IVH2	
<b>Isotype:</b> IgG	<b>Full Name:</b> forkhead box P4	
<b>Immunogen Catalog Number:</b> AG29953	<b>Calculated MW:</b> 678 aa, 73 kDa	
	<b>Observed MW:</b> 73 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : Caco-2 cells, PC-3 cells IHC : mouse ovary tissue,
<b>Species Specificity:</b> Human, Mouse	
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

FOXP4, also named as FKHLA, belongs to the FOX family. FOXP4 has been implicated in diverse biological processes in tumor initiation and progression. It has been demonstrated that FOXP4 is significantly upregulated in breast cancer, hepatocellular carcinoma and oral squamous cell carcinoma (PMID: 34590150). FOXP4 has 3 isoforms with the molecular mass of 72-73 kDa.

## Storage

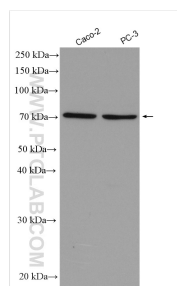
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

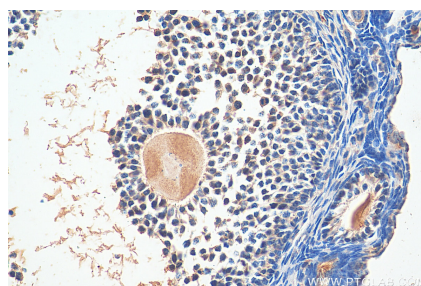
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29311-1-AP (FOXP4 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 29311-1-AP (FOXP4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).