

For Research Use Only

# FOXP2 Polyclonal antibody

Catalog Number: 20529-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

20529-1-AP

### Size:

150ul, Concentration: 133 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG14391

### GenBank Accession Number:

BC018016

### GeneID (NCBI):

93986

### Full Name:

forkhead box P2

### Calculated MW:

80 kDa

### Observed MW:

70-80 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

### Tested Applications:

IP, WB, ELISA

### Cited Applications:

CoIP, IF, IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB : HCT 116 cells, Neuro-2a cells, mouse brain tissue, mouse lung tissue, rat brain tissue

IP : mouse spleen tissue,

## Background Information

FOXP2, Forkhead box protein P2, is associated with speech and language development (PMID: 24765219). FOXP2 is expressed in the brain, lungs, heart and gut. In the brain, it is widely expressed in sensory, limbic and motor structures (PMID: 10880297, PMID: 15685218). Mutations in FOXP2 caused the severe speech and language disorder developmental verbal dyspraxia (PMID: 15877281). FOXP2 was detected 2 isoforms of 70 kDa and 80-82 kDa (PMID: 15056696, PMID: 29360038, PMID: 17999357).

## Notable Publications

Author	Pubmed ID	Journal	Application
Peng Liao	35281860	J Cancer	WB, IHC, IF, CoIP
Qianru He	29499945	Mol Ther Nucleic Acids	WB

## 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

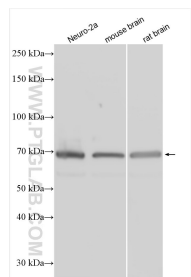
For technical support and original validation data for this product please contact:

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

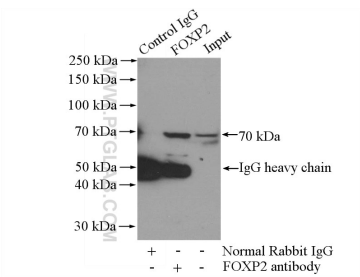
E: proteintech@ptglab.com  
W: ptglab.com

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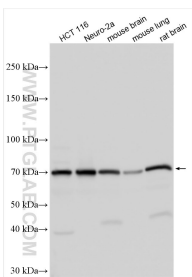
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20529-1-AP (FOXp2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-FOXp2 (IP:20529-1-AP, 4ug; Detection:20529-1-AP 1:500) with mouse spleen tissue lysate 4000ug.



Various lysates were subjected to SDS PAGE followed by western blot with 20529-1-AP (FOXp2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.