

For Research Use Only

FOXP2 Polyclonal antibody

Catalog Number: 20529-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

20529-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14391

GenBank Accession Number:

BC018016

GeneID (NCBI):

93986

UNIPROT ID:

O15409

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 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

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
Sishi Liu	39487340	Commun Biol	IHC, IF

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

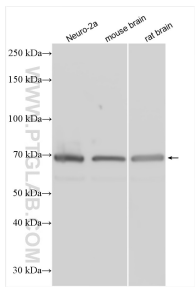
For technical support and original validation data for this product please contact:

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

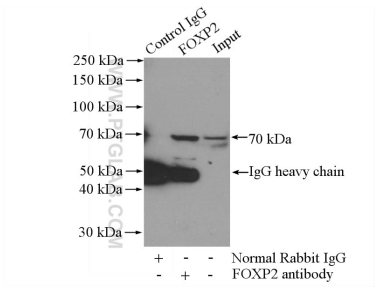
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

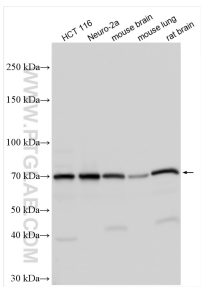
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20529-1-AP (FXP2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-FXP2 (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 (FXP2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.