

For Research Use Only

# FOXO6 Polyclonal antibody

Catalog Number: 19122-1-AP

Featured Product

15 Publications



## Basic Information

### Catalog Number:

19122-1-AP

### Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

AI361654

### GeneID (NCBI):

100132074

### UNIPROT ID:

A8MYZ6

### Full Name:

forkhead box protein O6

### Calculated MW:

51 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

IHC 1:250-1:1000

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, CoIP, ChIP

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, pig

### Positive Controls:

WB : C2C12 cells, mouse brain tissue, mouse lung tissue

IP : mouse brain tissue,

IHC : mouse brain tissue, human gliomas tissue, human brain tissue

IF/ICC : A549 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

FOXO6 is a member of the murine forkhead family of transcription factors. These forkhead transcription factors may play a role in maintenance. FOXO6 mRNA is predominantly expressed in the developing brain, indicating that FOXO6 may play an important role in the nervous system. FOXO6 has an isoform of 70 kDa when modified after translation (PMID:23639108).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xin Zong	32914682	RNA Biol	WB, ChIP, CoIP
Ruili Dang	34529881	Aging Cell	WB
Lei Zhang	34080654	Int J Mol Med	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

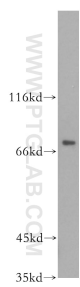
For technical support and original validation data for this product please contact:

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

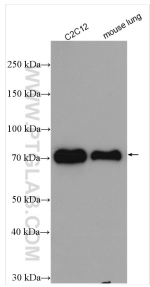
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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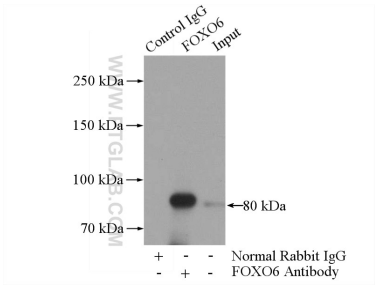
Selected Validation Data



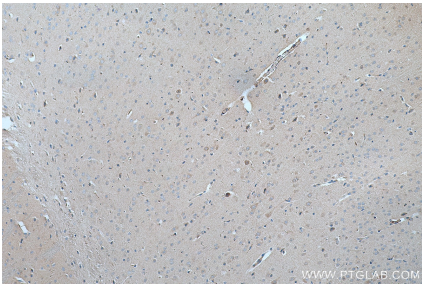
mouse brain tissue were subjected to SDS PAGE followed by western blot with 19122-1-AP (FOXO6 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



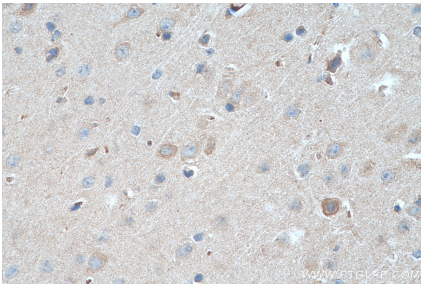
Various lysates were subjected to SDS PAGE followed by western blot with 19122-1-AP (FOXO6 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



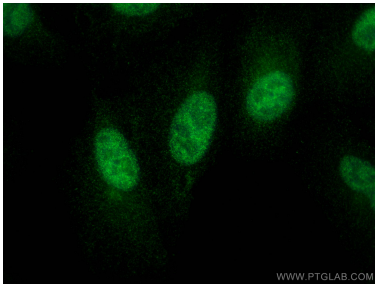
IP result of anti-FOXO6 (IP:19122-1-AP, 3ug; Detection:19122-1-AP 1:300) with mouse brain tissue lysate 4000ug.



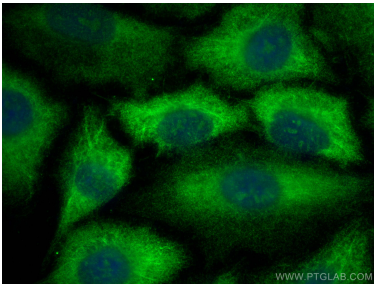
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19122-1-AP (FOXO6 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19122-1-AP (FOXO6 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using FOXO6 antibody (19122-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using FOXO6 antibody (19122-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).