

For Research Use Only

# FJX1 Polyclonal antibody

Catalog Number: 17417-1-AP

3 Publications



## Basic Information

### Catalog Number:

17417-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG11385

### GenBank Accession Number:

BC049171

### GeneID (NCBI):

24147

### UNIPROT ID:

Q86VR8

### Full Name:

four jointed box 1 (Drosophila)

### Calculated MW:

437 aa, 49 kDa

### Observed MW:

49 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IHC 1:250-1:1000

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat

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

### Positive Controls:

WB : rat brain tissue,

IHC : mouse brain tissue, human liver tissue, mouse testis tissue

## Background Information

Four-jointed box protein 1 (FJX1), also named as FLJ22416, is a 437 amino acid protein, which belongs to the FJX1 family. FJX1 is a secreted protein and acts as an inhibitor of dendrite and branching. FJX1 is important for growth and differentiation of legs and wings, and for proper development of the eyes. FAT4, an essential gene that has a key role in vertebrate PCP (planar cell polarity), represses FJX1 expression which may lead to cystic diseases in humans.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lingling Wang	38570783	Reprod Biol Endocrinol	WB
Tiao Bu	38553880	Endocrinology	WB
Tiao Bu	37119967	Mol Cell Endocrinol	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

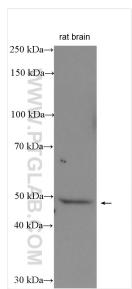
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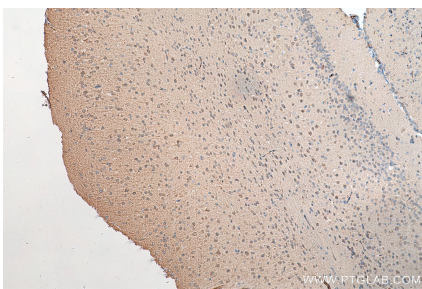
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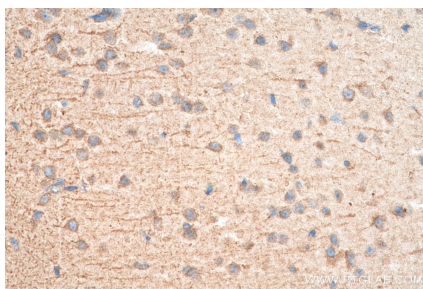
## Selected Validation Data



rat brain tissue were subjected to SDS PAGE followed by western blot with 17417-1-AP (FJX1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17417-1-AP (FJX1 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 17417-1-AP (FJX1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).