

For Research Use Only

# FYCO1 Polyclonal antibody

Catalog Number: 25730-1-AP

Featured Product

1 Publications



## Basic Information

### Catalog Number:

25730-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG22803

### GenBank Accession Number:

BC007218

### GeneID (NCBI):

79443

### UNIPROT ID:

Q9BQS8

### Full Name:

FYVE and coiled-coil domain containing 1

### Calculated MW:

1478 aa, 167 kDa

### Observed MW:

167-180 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human

### Positive Controls:

WB : HEK-293T cells, HeLa cells, LNCaP cells

## Background Information

FYCO1 is a Rab7 adapter protein that is implicated in the microtubule transport of autophagosomes. The encoded protein contains a RUN domain, a FYVE-type zinc finger domain, and Golgi dynamics (GOLD) domain. The encoded protein plays a role in microtubule plus end-directed transport of autophagic vesicles through interactions with the small GTPase Rab7, phosphatidylinositol-3-phosphate (PI3P), the autophagosome marker LC3, and the kinesin KIF5.

## Notable Publications

| Author        | Pubmed ID | Journal                      | Application |
|---------------|-----------|------------------------------|-------------|
| Wenchang Xiao | 33859171  | Signal Transduct Target Ther | IF, 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

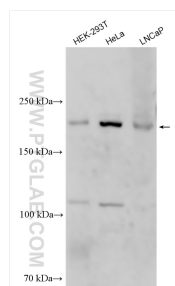
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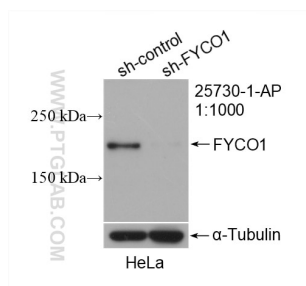
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25730-1-AP (FYCO1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of FYCO1 antibody (25730-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FYCO1 transfected HeLa cells.