

**Product Name: WDFY3 Mouse Monoclonal Antibody****Catalog #: AMM82306**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	395kDa

**Antigen Information**

<b>Gene Name</b>	WDFY3
<b>Alternative Names</b>	ALFY; BCHS; MCPH18; ZFYVE25
<b>Gene ID</b>	23001.0
<b>SwissProt ID</b>	Q8IZQ1
<b>Immunogen</b>	Purified recombinant fragment of human WDFY3 (AA: 3277-3526) expressed in E. Coli.

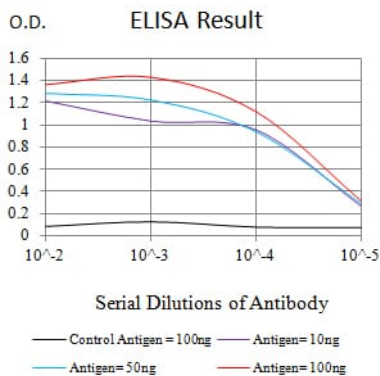
**Background**

This gene encodes a phosphatidylinositol 3-phosphate-binding protein that functions as a master conductor for aggregate clearance by autophagy. This protein shuttles from the nuclear membrane to colocalize with aggregated proteins, where it complexes with other autophagic components to achieve macroautophagy-mediated clearance of these aggregated proteins.

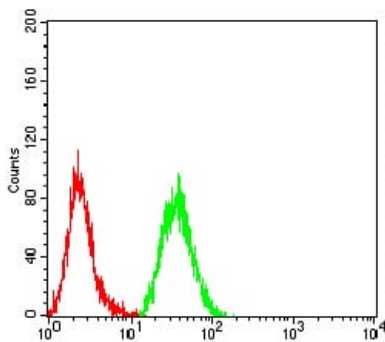
However, it is not necessary for starvation-induced macroautophagy.

## Research Area

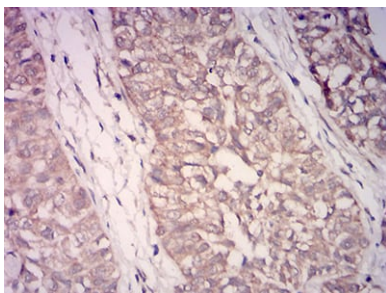
## Image Data



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Flow cytometric analysis of Hela cells using WDFY3 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using WDFY3 mouse mAb with DAB staining.