



WDFY3 mouse mAb

Catalog No	YP-mAb-18122
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	WDFY3 KIAA0993
Immunogen	Synthesized peptide derived from human WDFY3
Specificity	This antibody detects endogenous levels of WDFY3 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	WDFY3;WDFY3 / ALFY;Alfy;Autophagy linked FYVE protein;Autophagy-linked FYVE protein;WDFY3 KIAA0993;WD repeat and FYVE domain-containing protein 3 (Autophagy-linked FYVE protein) (Alfy)
Observed Band	388kD
Calculated Molecular Weight	395 kDa
Cell Pathway	Nucleus membrane . Cytoplasm, cytosol . Nucleus, PML body . Membrane; Peripheral membrane protein ; Cytoplasmic side . Perikaryon . Cell projection, axon . Relocalization from the nucleus to the cytosol is stimulated by cellular stress, such as starvation or proteasomal inhibition. In the cytosol of starved cells, colocalizes with autophagic structures (PubMed:15292400, PubMed:20168092, PubMed:20971078, PubMed:20417604). This redistribution is dependent on p62/SQSTM1 (PubMe
Tissue Specificity	
Function	Required for selective macroautophagy (aggrephagy). Acts as an adapter protein by linking specific proteins destined for degradation to the core autophagic machinery members, such as the ATG5-ATG12-ATG16L E3-like ligase, SQSTM1 and LC3 . Along with p62/SQSTM1, involved in the formation and autophagic degradation of cytoplasmic ubiquitin-containing inclusions (p62



bodies, ALIS/aggresome-like induced structures). Along with SQSTM1, required to recruit ubiquitinated proteins to PML bodies in the nucleus . Important for normal brain development. Essential for the formation of axonal tracts throughout the brain and spinal cord, including the formation of the major forebrain commissures. Involved in the ability of neural cells to respond to guidance cues. Required for cortical neurons to respond to the trophic effects of netrin-1/NTN1 (By similarity). Regulates Wnt signaling through the remov

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images