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Rabbit Anti-WIPI2/Atg21 antibody

SL8767R

Product Name:	WIPI2/Atg21
Chinese Name:	磷酸肌醇相互作用蛋白2抗体
Alias:	ATG18B; Atg21; CGI 50; DKFZp434J154; DKFZp686P02188; FLJ12979; FLJ14217; FLJ42984; WD repeat domain phosphoinositide-interacting protein 2; WD repeat domain, phosphoinositide interacting 2; WD40 repeat protein interacting with phosphoinositides 2; WIPI 2; WIPI-2; WIPI2; WIPI2_HUMAN; WIPI49 like protein 2; WIPI49-like protein 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	49kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human WIPI2/Atg21:181-280/454
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	WD40 repeat proteins are key components of many essential biologic functions. They regulate the assembly of multiprotein complexes by presenting a beta-propeller platform for simultaneous and reversible protein-protein interactions. Members of the

WIPI subfamily of WD40 repeat proteins, such as WIPI2, have a 7-bladed propeller structure and contain a conserved motif for interaction with phospholipids (Proikas-Cezanne et al., 2004 [PubMed 15602573]).[supplied by OMIM, Mar 2008]

Function:
Probable early component of the autophagy machinery being involved in formation of preautophagosomal structures and their maturation into mature phagosomes in response to PtdIns3P. May bind PtdIns3P.

Subunit:
Interacts with TECPR1.

Subcellular Location:
Preautophagosomal structure membrane. Enriched at preautophagosomal structure membranes in response to ptdIns3P.

Tissue Specificity:
Ubiquitously expressed (at protein level). Highly expressed in heart, skeletal muscle and pancreas. Expression is down-regulated in pancreatic and in kidney tumors.

Similarity:
Belongs to the WD repeat SVP1 family.
Contains 3 WD repeats.

SWISS:
Q9Y4P8

Gene ID:
26100

Database links:

Entrez Gene: 26100 Human

Entrez Gene: 74781 Mouse

Entrez Gene: 288498 Rat

Omim: 609225 Human

SwissProt: Q9Y4P8 Human

SwissProt: Q80W47 Mouse

SwissProt: Q6AY57 Rat

Unigene: 122363 Human

	Unigene: 29432 Mouse Unigene: 163194 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.