

Product name:	WIPI1 Rabbit Polyclonal Antibody
Cat number:	ABN19904
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthetic Peptide of WIPI1
Reactivity:	Human
Applications:	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight:	48kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

Background:

WD repeat domain, phosphoinositide interacting 1(WIPI1) Homo sapiens This gene encodes a WD40 repeat protein. Members of the WD40 repeat family 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 have a 7-bladed propeller structure and contain a conserved motif for interaction with phospholipids. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016],function:May play a role in autophagy. May regulate the trafficking of proteins involved in the mannose-6-phosphate receptor (MPR) recycling pathway.,similarity:Contains 3 WD repeats.,subcellular location:Trans elements of the Golgi and peripheral endosomes. Dynamically cycles through these compartments and is susceptible to conditions that modulate membrane flux. Enriched in clathrin-coated vesicles.,subunit:Probably interacts with androgen (AR) and the estrogen receptor (ER). Binds PtdIns3P and to a lesser extent, PtdIns3,5P2 and PtdIns5P in vitro. Interaction with PtdIns3P is required for recruitment to membranes.,tissue specificity:Ubiquitously expressed. Highly expressed in skeletal muscle, heart, testis, pancreas and placenta. Highly expressed in G361, Sk-mel-28, Sk-mel-13, WM852 and WM451 cells. Up-regulated in a variety of tumor tissues.,