

Rabbit WIPI2 Polyclonal Antibody | anti-WIPI2 antibody

WIPI2 Antibody

CATALOG # AAA321425	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	---

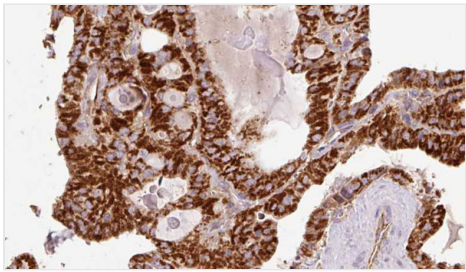
PRODUCT SYNONYMS

WIPI2; Polyclonal Antibody; WIPI2 Antibody; 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_HUMAN; WIPI49 like protein 2; WIPI49-like protein 2; anti-WIPI2 antibody

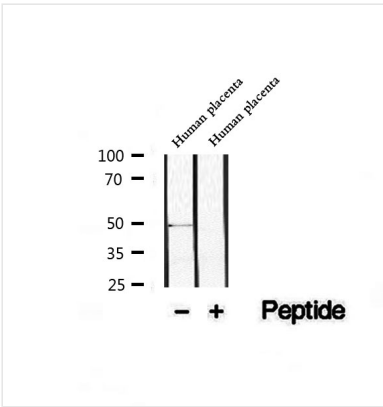
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	WIPI2 antibody detects endogenous levels of WIPI2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	443
Applicable Applications for anti-WIPI2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human WIPI2.
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.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA321425 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of Human placenta tissue, using WIPI2 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-WIPI2 antibody	Function: Early component of the autophagy machinery being involved in formation of preautophagosomal structures and their maturation into mature phagosomes in response to phosphatidylinositol 3-phosphate (PtdIns3P). May bind PtdIns3P. Subunit Structure: Interacts with TECPR1, ATG16L1 and ATG5. Similarity: The FRRG motif is required for recruitment to PtdIns3P. Belongs to the WD repeat SVP1 family.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	75677329
NCBI GeneID	26100
NCBI Accession #	NP_001028690.1
NCBI GenBank Nucleotide #	NM_001033518.1
UniProt Accession #	Q9Y4P8; Q5MNZ8; Q6FI96; Q75L50; Q96IE4; Q9Y364; B3KNC2
Molecular Weight	Observed: 49 kDa Predicted: 50 kDa
NCBI Official Full Name	WD repeat domain phosphoinositide-interacting protein 2 isoform c
NCBI Official Synonym Full Names	WD repeat domain, phosphoinositide interacting 2
NCBI Official Symbol	WIPI2
NCBI Official Synonym Symbols	Atg21; ATG18B; CGI-50; WIPI-2
NCBI Protein Information	WD repeat domain phosphoinositide-interacting protein 2
UniProt Protein Name	WD repeat domain phosphoinositide-interacting protein 2
UniProt Gene Name	WIPI2
UniProt Synonym Gene Names	WIPI-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.