

Rabbit WDR45L Polyclonal Antibody | anti-WDR45B antibody

WDR45L Antibody (N-term)

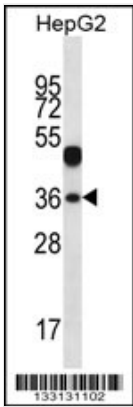
CATALOG # AAA283691	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Xenopus)	APPLICATIONS ELISA, Western Blot
-------------------------------	-----------------------	---	--

PRODUCT SYNONYMS

WDR45L; Polyclonal Antibody; WDR45L Antibody (N-term); WD repeat domain phosphoinositide-interacting protein 3; WIPI-3; WD repeat-containing protein 45-like; WDR45-like protein; WD repeat-containing protein 45B; WIPI49-like protein; WDR45B; WIPI3; anti-WDR45B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This WDR45L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-52 amino acids from the N-terminal region of human WDR45L.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	24-52
Sequence Length	344
Applicable Applications for anti-WDR45B antibody	ELISA, WB (Western Blot)
Function	Component of the autophagy machinery that controls the major intracellular degradation process by which cytoplasmic materials are packaged into autophagosomes and delivered to lysosomes for degradation (PubMed:). Binds phosphatidylinositol 3-phosphate (PtdIns3P) forming on membranes of the endoplasmic reticulum upon activation of the upstream ULK1 and PI3 kinases and is recruited at phagophore assembly sites where it regulates the elongation of nascent phagophores downstream of WIPI2 (PubMed:). In the cellular response to starvation, may also function together with the TSC1-TSC2 complex and RB1CC1 in the inhibition of the mTORC1 signaling pathway (PubMed:).
Cellular Location	Preautophagosomal structure. Lysosome
Tissue Location	Ubiquitously expressed. Highly expressed in heart, skeletal muscle and pancreas. Up-regulated in a variety of tumor tissues including ovarian and uterine cancers.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
WDR45L Antibody (N-term) (AAA283691) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the WDR45L antibody detected the WDR45L protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-WDR45B antibody	This gene encodes a member of the WIPI or SVP1 family of WD40 repeat-containing proteins. The protein contains seven WD40 repeats that are thought to fold into a beta-propeller structure that mediates protein-protein interactions, and a conserved motif for interaction with phospholipids. The human genome contains several pseudogenes of this gene.
Product Categories/Family for anti-WDR45B antibody	Cell Biology
References	Proikas-Cezanne, T., et al. Oncogene 23(58):9314-9325(2004) Jeffries, T.R., et al. Mol. Biol. Cell 15(6):2652-2663(2004) Venter, J.C., et al. Science 291(5507):1304-1351(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	122939167
NCBI GeneID	56270
NCBI Accession #	NP_062559.2
NCBI GenBank Nucleotide #	NM_019613.3
UniProt Accession #	Q5MNZ6; O95328; Q2MCP6; Q6IBN2
Molecular Weight	38122
NCBI Official Full Name	WD repeat domain phosphoinositide-interacting protein 3
NCBI Official Synonym Full Names	WD repeat domain 45B
NCBI Official Symbol	WDR45B
NCBI Official Synonym Symbols	WIPI3; WDR45L; WIPI-3
NCBI Protein Information	WD repeat domain phosphoinositide-interacting protein 3
UniProt Protein Name	WD repeat domain phosphoinositide-interacting protein 3
UniProt Gene Name	WDR45B
UniProt Synonym Gene Names	WDR45L; WIPI3; WIPI-3; WDR45-like protein
UniProt Entry Name	WIPI3_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/wdr45l-antibody-western-blot-elisa/283691>