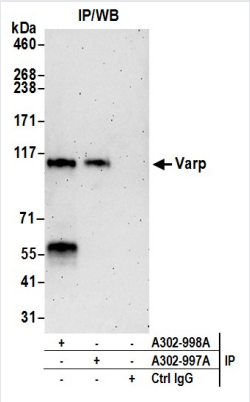
VARP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Varp, Polyclonal Antibody
Full Product Name	Rabbit anti-Varp Antibody, Affinity Purified
Product Gene Name	anti-Varp antibody
Product Synonym Gene Name	ANKRD27
Product Synonym Names	VPS9-ankyrin-repeat protein; ankyrin repeat domain 27 (VPS9 domain); ankyrin repeat domain-containing protein 27; PP12899; VARP; Vps9 domain and ankyrin-repeat-containing protein; VPS9 domain-containing protein; Ankyrin repeat domain-containing protein 27; ankyrin repeat domain 27
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	116,984 Da
3D Structure	ModBase 3D Structure for Q96NW4
Predicted Reactivity	Orangutan
Immunogen	Between 250 and 300
Conjugation	Unconjugated
Product Categories/Family for anti-Varp antibody	Primary Antibodies
Applications Tested/Suitable for anti-Varp antibody	Immunoprecipitation (IP)
Application Notes for anti-Varp antibody	IP: 6ug/mg lysate
Related Product Information for anti-Varp antibody	Varp (VPS9-ankyrin-repeat protein) is also known as ankyrin repeat domain-containing protein 27 (ANKRD27). Varp may function as a Rab21 guanine exchange factor and regulate endosome dynamics [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q96NW4].
Other Notes	Small volumes of anti-Varp antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Varp purchase	MBS3903316 is an antibody targeting Varp. Also known as Rabbit anti-Varp Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Immunoprecipitation (IP) of anti-Varp antibody
Detection of human Varp by western blot of immunoprecipitates. Samples:Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Varp antibody MBS3903316 (lot MBS3903316-2) used for IP at 3 ug per reaction. Varp was also immunoprecipitated by rabbit anti-Varp antibody MBS3903317. For blotting immunoprecipitated Varp, MBS3903317 was used at 1 ug/ml. Detection:Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Varp. It may not necessarily be applicable to this product.

NCBI GI #	116063534
NCBI GeneID	84079
NCBI Accession #	NP_115515.2
UniProt Primary Accession #	Q96NW4
UniProt Secondary Accession #	Q71MF5; Q86UC3; Q8ND80; Q9H0I4
UniProt Related Accession #	Q96NW4
GenBank Nucleotide #	NM_032139.2
NCBI Official Full Name	ankyrin repeat domain-containing protein 27
NCBI Official Synonym Full Names	ankyrin repeat domain 27 (VPS9 domain)
NCBI Official Symbol	ANKRD27
NCBI Official Synonym Symbols	VARP; PP12899
UniProt Protein Name	Ankyrin repeat domain-containing protein 27
UniProt Synonym Protein Names	VPS9 domain-containing protein
UniProt Gene Name	ANKRD27
UniProt Entry Name	ANR27_HUMAN
NCBI Protein Information	ankyrin repeat domain-containing protein 27; VPS9-ankyrin-repeat protein; VPS9 domain-containing protein; Vps9 domain and ankyrin-repeat-containing protein

UniProt Comments for Varp	ANKRD27: May be a Rab21 guanine exchange factor and regulate endosome dynamics. Protein type: GEFs; GEFs, Rab Chromosomal Location of Human Ortholog: 19q13.11 Cellular Component: cytoplasmic vesicle membrane; membrane; lysosome; cytoplasm; late endosome; early endosome; plasma membrane; melanosome Molecular Function: protein binding; guanyl-nucleotide exchange factor activity; Rab GTPase binding; GTPase activator activity Biological Process: protein transport; early endosome to late endosome transport; positive regulation of GTPase activity
Research Articles on Varp	**1.** VAMP7-SNARE motif is trapped between Varp and the VAMP7 longin domain, and hence Varp kinetically inhibits the ability of VAMP7 to form SNARE complexes
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