

# VAC14 rabbit monoclonal antibody

Catalog # H00055697-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human VAC14 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human VAC14 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human VAC14 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — VAC14

Entrez GeneID	<a href="#">55697</a>
GeneBank Accession#	<a href="#">VAC14</a>
Gene Name	VAC14
Gene Alias	ArPIKfyve, FLJ10305, FLJ36622, FLJ46582, MGC149815, MGC149816, TAX1BP2, TRX
Gene Description	Vac14 homolog (S. cerevisiae)
Omim ID	<a href="#">604632</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Phosphatidylinositol 3,5-bisphosphate (PI(3,5)P2) is a low-abundance signaling molecule. A regulatory complex made up of VAC14 and FIG4 (MIM 609390) control synthesis of PI(3,5)P2 by activating PI(3)P kinase, FAB1 (PIP5K3; MIM 609414). The VAC14/FIG4 complex also functions in the breakdown of PI(3,5)P2 (Zhang et al., 2007 [PubMed 17956977]).[supplied by OMIM]
Other Designations	Tax1 (human T-cell leukemia virus type I) binding protein 1 Tax1 (human T-cell leukemia virus type I) binding protein 2 Vac14 homolog

## Disease

- [Tobacco Use Disorder](#)