

Datasheet for ABIN7581190  
**anti-VAC14 antibody (AA 523-782)**



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## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 10 µg  |
| Target:              | VAC14  |
| Binding Specificity: | AA 523-782   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This VAC14 antibody is un-conjugated                                       |
| Application:         | Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC) |

## Product Details

|                   |  |
|-------------------|--|
| Purpose:          | Rabbit polyclonal antibody to human Vac14 with reactivity to mouse/rat and human Vac14   |
| Immunogen:        | The antibody was generated from a fusion protein with amino acids 523 to 782 of human Vac14.   |
| Isotype:          | IgG  |
| Specificity:      | The Vac14 antibody is directed at an C-terminal region of Vac14 and detects mammalian forms of Vac14 with an expected molecular weight of approximately 82-88 kDa. |
| Cross-Reactivity: | Mouse, Rat   |
| Purification:     | affinity purified using Protein A chromatography   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | VAC14   |
| Alternative Name: | Vac14 ( <a href="#">VAC14 Products</a> )  |
| Background:       | Vac14 is a scaffold protein that functions in a complex with PIKfyve and Sac3 (FIG4) to regulate the synthesis and turnover of phosphatidylinositol 3,5-bisphosphate (PI(3,5)P2) on endosomal membranes. The coordinated activity within the complex maintains homeostasis of PI(3)P and PI(5)P and plays a role in the fusion and transport of endosomes |
| Pathways:         | <a href="#">Inositol Metabolic Process</a>  |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | IF/ICC – 2-5 ug/mL, Western – 1.0 ug/mL, Immunoprecipitation – 1.0 ug/mL Other in vitro and cellular applications are possible using this antibody, but have not been verified. |
| Restrictions:      | For Research Use only   |

## Handling

|                  |   |
|------------------|---|
| Format:          | Liquid  |
| Buffer:          | PBS, pH 7.4   |
| Storage:         | 4 °C, -80 °C  |
| Storage Comment: | protect from direct light and store at 4°C for up to 30 days. For long term storage, aliquot and store at -80°C. Avoid repeated freeze/thaw cycles. |