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## Datasheet for ABIN2788881

# anti-VAC14 antibody (C-Term)





### Overview

Quantity:	100 μL
Target:	VAC14
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Dog, Guinea Pig, Rabbit, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VAC14 antibody is un-conjugated
Application:	Western Blotting (WB)

## **Product Details**

Sequence:	QLLSHRLQCV PNPELLQTED SLKAAPKSQK ADSPSIDYAE LLQHFEKVQN
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 77%, Horse: 93%, Human: 100%, Mouse: 92%, Pig: 79%, Rabbit: 79%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against VAC14. It was validated on Western Blot.
Purification:	Affinity Purified

# **Target Details**

Target:	VAC14
Alternative Name:	VAC14 (VAC14 Products)
Background:	The content of phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2) in endosomal

membranes changes dynamically with fission and fusion events that generate or absorb intracellular transport vesicles. VAC14 is a component of a trimolecular complex that tightly regulates the level of PtdIns(3,5)P2. Other components of this complex are the PtdIns(3,5)P2-synthesizing enzyme PIKFYVE and the PtdIns(3,5)P2 phosphatase FIG4. VAC14 functions as an activator of PIKFYVE.

Alias Symbols: ArPIKfyve, FLJ10305, FLJ36622, FLJ46582, MGC149815, MGC149816, TAX1BP2, TRX

Protein Interaction Partner: LINC00518, PIKFYVE, TCEANC, MGAT5B, C4orf33, PRR20A, PHYKPL, ACSS1, RHOXF2, PRADC1, ZNF34, LPAL2, ASB13, MTMR9, FNDC3B, NGB, SPRYD7, PELI1, PCMTD2, WDYHV1, PRR13, CD209, C11orf54, SMUG1, DDAH2, RBF0X2, SNF8, PDE4DIP, SIGLEC5, BHLHE40, TP53BP1, PPP2CA, PHF

Protein Size: 781

Molecular Weight:	86 kDa
Gene ID:	55697
NCBI Accession:	NM_018052, NP_060522
UniProt:	Q08AM6
Pathways:	Inositol Metabolic Process

# **Application Details**

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 781 AA
Restrictions:	For Research Use only

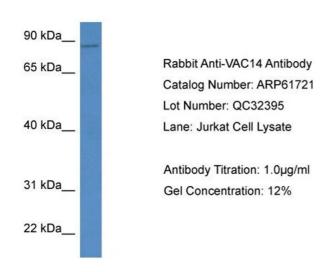
# Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

# Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

# **Images**



## **Western Blotting**

Image 1.