

## Anti-VAMP2 Antibody

Catalog Number: A02331-2

### About VAMP2

Interferon-induced dynamin-like GTPase with potent antiviral activity against human immunodeficiency virus type 1 (HIV-1). Acts by targeting the viral capsid and affects the nuclear uptake and/or stability of the HIV-1 replication complex and the subsequent chromosomal integration of the proviral DNA. Exhibits antiviral activity also against simian immunodeficiency virus (SIV-mnd). May play a role in regulating nucleocytoplasmic transport and cell-cycle progression.

Aebi M., Mol. Cell. Biol. 9:5062-5072(1989).

Hattori M., Nature 405:311-319(2000).

Mural R.J., Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

### Overview

Product Name	Anti-VAMP2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-VAMP2 Antibody catalog # A02331-2. Tested in WB,IP,ICC/IF,Flow Cytometry applications. This antibody reacts with Human,Mouse,Rat.
Application	Flow Cytometry, IP, IF, ICC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P63027

### Technical Details

Immunogen	Synthesized peptide derived from Internal of human MX2.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	ProA affinity purified

**Suggested Dilutions**

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB: 1:500-1:2,000

ICC: 1:50-1:200

FC: 1:50-1:100

## Anti-VAMP2 Antibody (A02331-2) Images

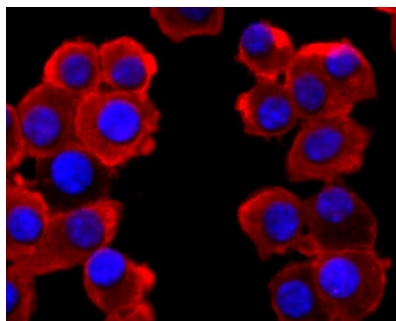


Figure 2. Immunocytochemistry staining of VAMP2 using Anti-VAMP2 Antibody (A02331-2).

ICC staining VAMP2 in N2A cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

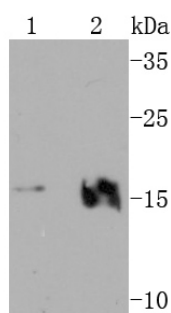


Figure 1. Western blotting validation for Anti-VAMP2 Antibody A02331-2

Western blot analysis of VAMP2 on different cell lysates using anti-VAMP2 antibody at 1/1

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