

Datasheet for ABIN1573888  
**anti-VSV-g Tag antibody**

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## Overview

|              |  |
|--------------|--|
| Quantity:    | 40 µg  |
| Target:      | VSV-g Tag  |
| Reactivity:  | Vesicular Stomatitis Virus (VSV)                       |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal   |
| Conjugate:   | This VSV-g Tag antibody is un-conjugated               |
| Application: | Western Blotting (WB), ELISA, Immunoprecipitation (IP) |

## Product Details

|               |   |
|---------------|---|
| Immunogen:    | VSV-G epitope tag peptide YTDIEMNRLGK conjugated - KLH                                      |
| Sequence:     | YTDIEMNRLG K  |
| Isotype:      | IgG1  |
| Specificity:  | This Antibody recognizes C-terminal, N-terminal, and internal VSV-G tagged fusion proteins. |
| Purification: | Immunoaffinity chromatography   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | VSV-g Tag  |
| Alternative Name: | VSV-G-Tag ( <a href="#">VSV-g Tag Products</a> )   |
| Target Type:      | Tag  |
| Background:       | Rabbit Anti-VSV-G-tag Polyclonal Antibody is supplied as a 40 µg aliquot at a concentration of 1 |

## Target Details

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mg/ml in PBS, pH 7.4, containing 0.02% Sodium azide. It is purified by immunoaffinity chromatography.

## Application Details

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**Application Notes:** Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature, and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/mL

Western blot: 0.1-1.0 µg/mL Western Blot Using ONE-HOUR Western™ Kit: For quick results, ONE-HOUR Western™ Kit is recommended. 10 µg of this antibody is mixed with 10 mL of WB solution for 8 cm x 8 cm membrane. Immunoprecipitation (IP): 2-10 µg/mg of lysate Other applications: user-optimized

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Buffer:** PBS, pH 7.4, containing 0.02 % Sodium azide

**Preservative:** Sodium azide

**Precaution of Use:** WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

**Storage:** 4 °C/-20 °C

**Storage Comment:** The antibody is stable for 2-3 weeks if stored at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

## Publications

Product cited in:

Schmid, Sachs, tenOever: "Mitogen-activated protein kinase-mediated licensing of interferon regulatory factor 3/7 reinforces the cell response to virus." in: **The Journal of biological chemistry**, Vol. 289, Issue 1, pp. 299-311, (2014) ([PubMed](#)).

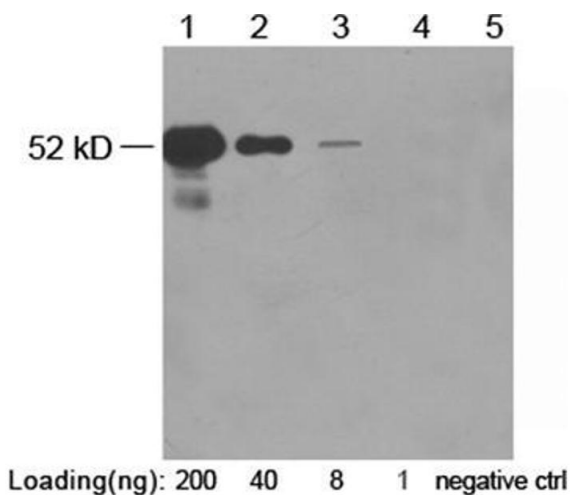
Zhang, He, Zhou, Pang, Liu, Zhao, Chen: "In vitro inhibition of vesicular stomatitis virus replication by purified porcine Mx1 protein fused to HIV-1 Tat protein transduction domain (PTD)." in: **Antiviral research**, Vol. 99, Issue 2, pp. 149-57, (2013) ([PubMed](#)).

Kita, Bertolesi, Hehr, Johnston, McFarlane: "Neuropilin-1 biases dendrite polarization in the retina." in: **Development (Cambridge, England)**, Vol. 140, Issue 14, pp. 2933-41, (2013) ([PubMed](#)).

Zhao, Dai, Liang, Liang: "Surface display of rice stripe virus NSvc2 and analysis of its membrane fusion activity." in: **Virologica Sinica**, Vol. 27, Issue 2, pp. 100-8, (2012) ([PubMed](#)).

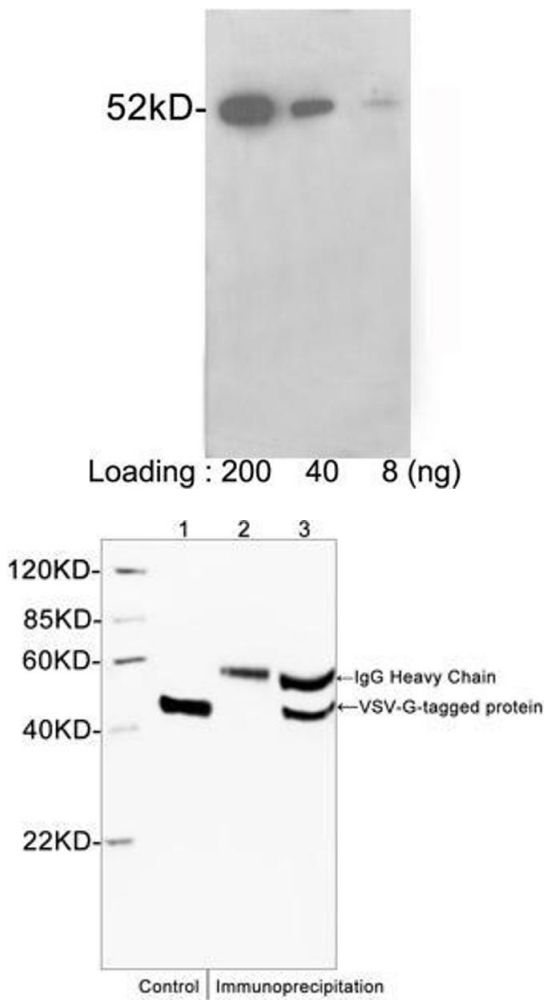
Padmashali, Andreadis: "Engineering fibrinogen-binding VSV-G envelope for spatially- and cell-controlled lentivirus delivery through fibrin hydrogels." in: **Biomaterials**, Vol. 32, Issue 12, pp. 3330-9, (2011) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** Western blot analysis of VSV-G fusion protein (MW~52 kD) using 0.1 µg/mL Rabbit Anti-VSV-G-tag Polyclonal Antibody (ABIN398427) Lane 1-4: VSV-G fusion protein in 293 cell lysate (~52 kD) Lane 5: Negative 293 cell lysate Secondary antibody: Goat Anti-Rabbit IgG (H&L) [HRP] Polyclonal Antibody (ABIN398323, 1: 10,000) The signal was developed with LumiSensor™ HRP Substrate Kit (ABIN769939)



### Western Blotting

**Image 2.** Loading: VSV-G tag fusion protein expressed in E. coli cell lysate Primary antibody: 1 µg/mL Rabbit Anti-VSV-G-tag Polyclonal Antibody (ABIN398427) The signal was developed with One-Step Western™ Basic Kit (ABIN491504)

### Western Blotting

**Image 3.** Western blot analysis of immunoprecipitates from VSV-G fusion protein lysates using Rabbit Anti-VSV-G-tag Polyclonal Antibody (ABIN398427) .Lane 1: Input control material for VSV-G fusion protein lysates Lane 2: Negative control-IP with isotype control antibody (ABIN398653) Lane 3: Immunoprecipitation with Rabbit Anti-VSV-G-tag Polyclonal Antibody (ABIN398427) .