

## Anti-VSV-N [10G4] Standard Size Ab01403-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgM, Kappa

**Clone Number:** 10G4

**Alternative Name(s) of Target:** VSV NP; vesicular stomatitis virus nucleocapsid protein; vesicular stomatitis virus nucleoprotein; vesicular stomatitis virus N; vesicular stomatitis virus N protein; vesicular stomatitis virus N-protein; VSV N; VSV-N; VSV-N protein; VSV-N-protein; VSV nucleocapsid; VSV nucleoprotein; N; N protein; N-protein; Nucleocapsid; Nucleoprotein

**UniProt Accession Number of Target Protein:**

**Published Application(s):** WB

**Published Species Reactivity:** Vesicular stomatitis Indiana virus

**Immunogen:** The antibody was raised by immunizing mice with VSV.

**Specificity:** This antibody is specific against VSV-Ind nucleocapsid (N) protein.

**Application Notes:** WT: This antibody successfully detected VSV-N on western blots of the cell lysates of NHDF cells which had been transfected with VSV as a control in HIV-1 infection experiments (Malikov et al., 2015).

**Antibody First Published in:** Lyles et al. Vesicular Stomatitis Virus M Protein in the Nuclei of Infected Cells J Virol. 1988 Nov;62(11):4387-92. [PMID:2845149](#)

**Note on publication:** The article describes the first instance when this antibody was used and mentioned explicitly. However, the detailed description of how it was raised is described in the following paper: Lefrancios L, Lyles DS. The interaction of antibody with the major surface glycoprotein of vesicular stomatitis virus. I. Analysis of neutralizing epitopes with monoclonal antibodies. Virology 121: 157-167, 1982.

## Product Form

**Size:** 50 µg Purified antibody.

**Purification:** Affinity Purified using a recombinant lectin column

**Supplied In:**

PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.