9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

# KD-Validated Anti-Vesicle associated membrane protein 2 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

ABG2317

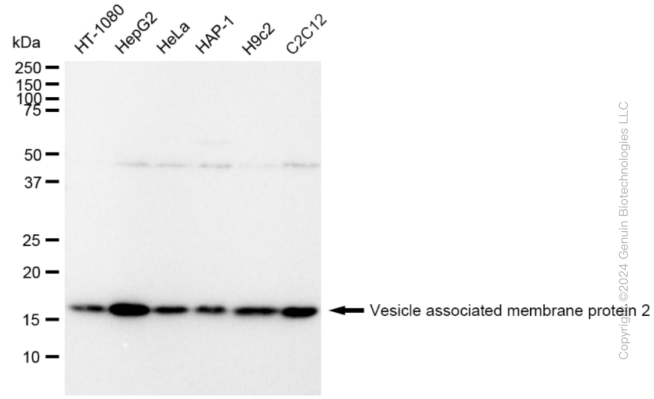
## Product Overview

| | |
|---|---|
| **Name** | KD-Validated Anti-Vesicle associated membrane protein 2 Rabbit Monoclonal Antibody |
| **Accession(Primary)** | P63027 |
| **Host Species** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype** | Rabbit IgG |
| **Immunogen** | A synthesized peptide derived from human VAMP2 |
| **Species Reactivity** | Human, Mouse, Rat |
| **Calculated MW** | Predicted, 13 kDa ; Observed, 16 kDa |
| **Storage Buffer** | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide. |
| **Recommended Dilution** | Western blotting (WB): 1:1,000-1:5,000 Flow cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000 |

## Target information (P63027)

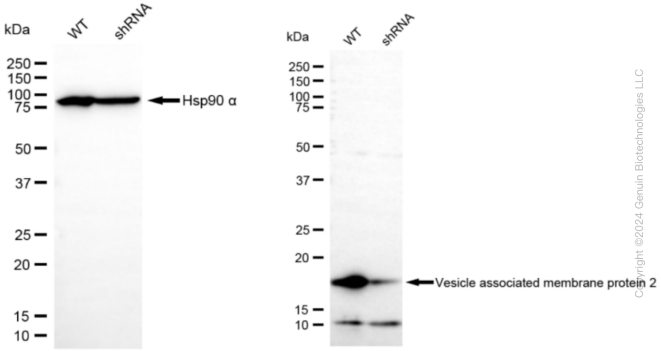
| | |
|---|---|
| **Gene Name** | VAMP2 |
| **About Gene Symbol** | VAMP2 (Vesicle Associated Membrane Protein 2) is a membrane transporter involved in vesicular trafficking. It is an important research target in pharmacology, drug resistance, and membrane biology and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |

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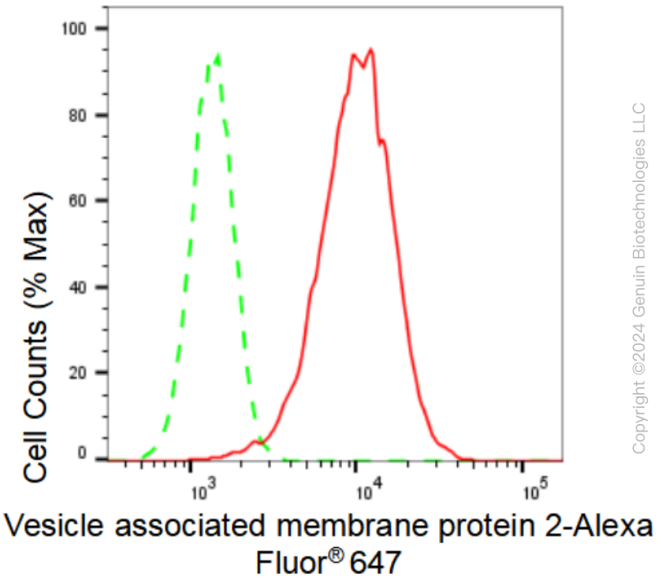

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Western blotting analysis using anti-Vesicle associated membrane protein 2 antibody (Cat#ABG2317). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Vesicle associated membrane protein 2 antibody (Cat#ABG2317, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.




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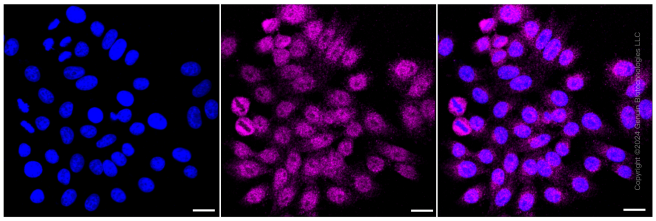
Western blotting analysis using anti-Vesicle associated membrane protein 2 antibody (Cat#ABG2317).Vesicle associated membrane protein 2 expression in wild type (WT) and vesicle associated membrane protein 2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-Vesicle associated membrane protein 2 antibody (Cat#ABG2317, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.




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Flow cytometric analysis of Vesicle associated membrane protein 2 expression in HepG2 cells using Vesicle associated membrane protein 2 antibody (Cat#ABG2317, 1:2,000). Green, isotype control; red, Vesicle associated membrane protein 2.

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Immunocytochemical staining of HepG2 cells with Vesicle associated membrane protein 2 antibody (Cat#ABG2317, 1:1,000). Nuclei were stained blue with DAPI; Vesicle associated membrane protein 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.