

Datasheet for ABIN298904

**anti-PLVAP antibody****1** Publication[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	PLVAP
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This PLVAP antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	Type of Immunogen: Native protein
Clone:	MECA-32
Isotype:	IgG2a
Specificity:	Recognizes murine plasmalemma vesicle-associated protein (PLVAP), a 60kD protein which is otherwise known as MECA-32 and PV-1. PLVAP is a transmembrane homodimer which is associated with endothelial cell caveolae and fenestrae. In adult and embryonic mice, PLVAP is primarily expressed on endothelial tissues but shows restricted distribution in the skeletal, cardiac and brain tissues. In embryonic mice, PLVAP expression, on the vasculature associated with blood brain barrier has been reported to be developmentally regulated. In humans, PLVAP is selectively up-regulated in a variety of high-grade brain tumors, including glioblastoma and

## Product Details

metastatic carcinoma, as well as other cerebral disorders associated with blood-brain barrier disruption, such as acute ischemia. PLVAP represents a novel marker of brain tumor angiogenesis and integrity of the blood-brain barrier and is a potential therapeutic target.

Purification: Affinity purified

## Target Details

Target: PLVAP

Alternative Name: PV1 / PLVAP ([PLVAP Products](#))

Background: Name/Gene ID: PLVAP

Synonyms: PLVAP, gp68, FELS, Plasmalemma vesicle protein 1, PV-1, PV1

Gene ID: 83483

UniProt: [Q9BX97](#)

## Application Details

Application Notes: Approved: Flo, IHC, IHC-Fr (1:25 - 1:100)

Usage: Flow Cytometry: Use 10 µL of the suggested working dilution to label 1x10<sup>6</sup> cells in 100 µL. Method sheets are available on request.

Comment: Target Species of Antibody: Mouse

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: Lot specific

Buffer: PBS, 0.09 % sodium azide.

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 Advice: avoid freeze thaw cycles. Store undiluted.

## Handling

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Storage: 4 °C, -20 °C

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Storage Comment: Short term 4°C, long term aliquot and store at -20°C, avoid freeze-thaw cycles. Store undiluted.

## Publications

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Product cited in: Simon-Santamaria, Rinaldo, Kardas, Li, Malovic, Elvevold, McCourt, Smedsrød, Hirsch, Sørensen : "Efficient uptake of blood-borne BK and JC polyomavirus-like particles in endothelial cells of liver sinusoids and renal vasa recta." in: **PLoS ONE**, Vol. 9, Issue 11, pp. e111762, (2015) ([PubMed](#)).