



## Datasheet for ABIN6941286 anti-MVP antibody



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### 2 Images

#### Overview

Quantity:	100 µg
Target:	MVP
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MVP antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Staining Methods (StM)

#### Product Details

Immunogen:	proteins precipitated from human breast cancer MCF-7 cells
Clone:	1032
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of 104 kDa-110 kDa, characterized as major vault protein (MVP). Vaults are large ribonucleoprotein particles (RNPs) present in all eukaryotic cells. They have a complex morphology, including several small molecules of RNA, but a single protein species. The MVP accounts for 70 % of their mass. Their shape is reminiscent of the nucleopore central plug. Treatment of cells with estradiol increases the amount of MVP in nuclear extract. The hormone-dependent interaction of vaults with ER is prevented in vitro by sodium molybdate. Antibodies to estrogen, progesterone and glucocorticoid receptors are able to co-immunoprecipitate the MVP. MVP is overexpressed in many neoplastic tissues and cell lines. Expression of MVP predicts a poor response to chemotherapy.

## Product Details

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Purification: Purified by Protein A/G

## Target Details

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Target: MVP

Alternative Name: MVP ([MVP Products](#))

Molecular Weight: 104-110kDa

Gene ID: 9961

UniProt: [Q14764](#)

## Application Details

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Application Notes: Positive Control: MCF-7/HeLa, breast tumors.  
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 1 mM EDTA buffer, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

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Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

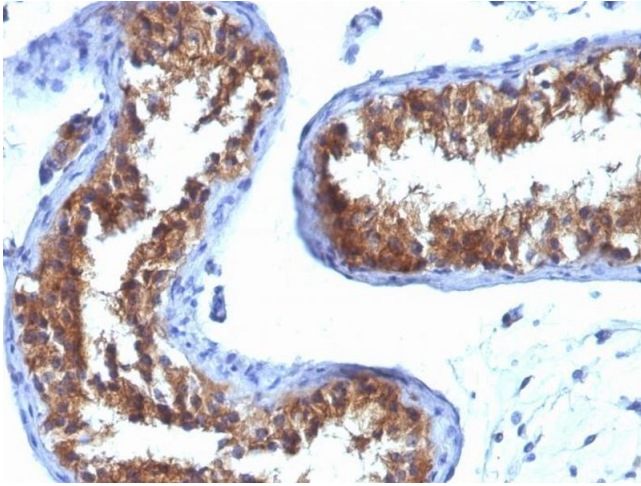
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

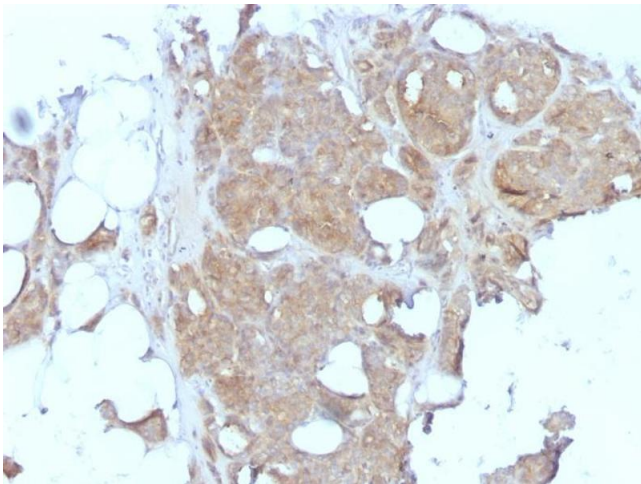
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



#### Immunohistochemistry

**Image 1.** Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with MVP Monoclonal Antibody (1032).



#### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with MVP Monoclonal Antibody (1032).