

Product datasheet

Anti-MVP antibody [1032] ab2376

★★★★☆ 1 Abreviews 3 References 2 Images

Overview

Product name	Anti-MVP antibody [1032]
Description	Mouse monoclonal [1032] to MVP
Host species	Mouse
Specificity	This antibody reacts with a 104 to 110 kD protein known as Major Vault Protein (MVP).
Tested applications	Suitable for: WB, IP, IHC-P, IHC-Fr
Species reactivity	Reacts with: Rat, Human
Immunogen	Proteins precipitated with AER317 from the phosphocellulose column flow through of extract of human breast cancer MCF-7 cells.
Positive control	Breast.
General notes	MVP is identical to Lung-Resistance Related Protein (LRP). Treatment of cells with estradiol increases the amount of MVP in nuclear extract. Antibodies to progesterone and glucocorticoid receptors are also able to co-immunoprecipitate the MVP.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium Azide Constituents: 1% BSA
Purity	IgG fraction
Primary antibody notes	MVP is identical to Lung-Resistance Related Protein (LRP). Treatment of cells with estradiol increases the amount of MVP in nuclear extract. Antibodies to progesterone and glucocorticoid receptors are also able to co-immunoprecipitate the MVP.
Clonality	Monoclonal
Clone number	1032
Myeloma	unknown
Isotype	IgG1
Light chain type	unknown

Applications

Our [Abpromise guarantee](#) covers the use of **ab2376** in the following tested applications.

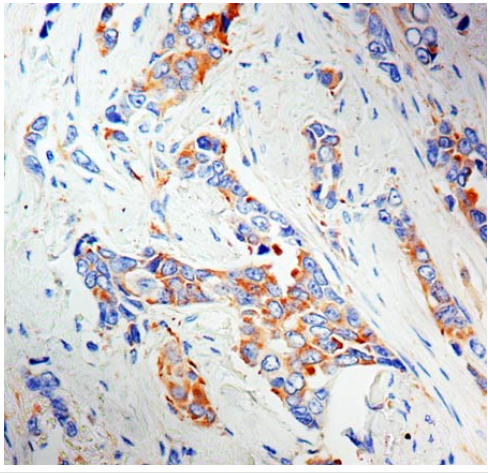
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★☆	Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.

Target

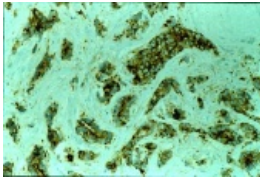
Function	Required for normal vault structure. Vaults are multi-subunit structures that may act as scaffolds for proteins involved in signal transduction. Vaults may also play a role in nucleo-cytoplasmic transport. Down-regulates INFG-mediated STAT1 signaling and subsequent activation of JAK. Down-regulates SRC activity and signaling through MAP kinases.
Tissue specificity	Present in most normal tissues. Higher expression observed in epithelial cells with secretory and excretory functions, as well as in cells chronically exposed to xenobiotics, such as bronchial cells and cells lining the intestine. Overexpressed in many multidrug-resistant cancer cells.
Sequence similarities	Contains 9 MVP (vault) repeats.
Domain	MVP 3 mediates interaction with PTEN. MVP 4 mediates interaction with PARP4.
Post-translational modifications	Phosphorylated on Tyr residues after EGF stimulation. Dephosphorylated by PTPN11.
Cellular localization	Cytoplasm. Nucleus > nuclear pore complex. 5% found in the nuclear pore complex. Translocates from the nucleus to the cytoplasm upon EGF treatment.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human breast carcinoma tissue, staining MVP with ab2376.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MVP antibody [1032] (ab2376)



ab2376 - immunohistochemistry

Formalin fixed paraffin embedded human breast carcinoma stained with MVP, using ABC and DAB chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MVP antibody [1032] (ab2376)

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