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36-3671: Anti-Major Vault Protein (MVP) Monoclonal Antibody(Clone: VP2897R)

Clonality :	Monoclonal
Clone Name :	VP2897R
Application :	IHC
Reactivity :	Human
Gene :	MVP
Gene ID :	9961
Uniprot ID :	Q14764
Alternative Name :	Lung resistance-related protein (LRP); Major Vault Protein; MVP; VAULT1
Isotype :	Rabbit IgG
Immunogen Information :	Recombinant full-length human MVP protein

Description

Recognizes a protein of 104kDa-110kDa, 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 plÂµg. 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 Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	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.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

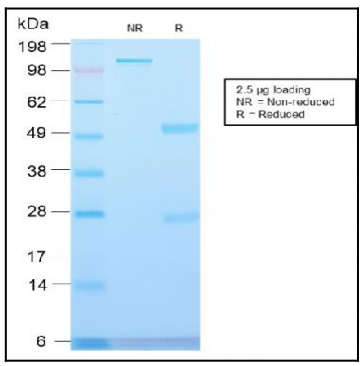


Fig. 1: SDS-PAGE Analysis Major Vault Protein Rabbit Recombinant Monoclonal Antibody (VP2897R). Confirmation of Purity and Integrity of Antibody.

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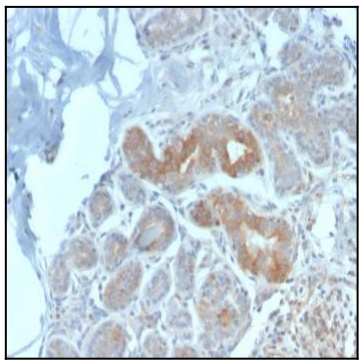


Fig. 2: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Major Vault Protein Rabbit Recombinant Monoclonal Antibody (VP2897R).

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