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36-3053: Anti-PMEPA1 / TMEPAI (Tumor Suppressor Oncoprotein) Monoclonal Antibody(Clone: PMEPA1/2698)

Clonality :	Monoclonal
Clone Name :	PMEPA1/2698
Application :	IHC
Reactivity :	Human
Gene :	PMEPA1
Gene ID :	56937
Uniprot ID :	Q96W9
Alternative Name :	PMEPA; PMEPA1; Prostate transmembrane protein, androgen induced 1; Solid tumor-associated 1 protein; STAG1; TMEPAI; Transmembrane prostate androgen-induced protein; Transmembrane, prostate androgen induced RNA
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant full-length human PMEPA1 protein

Description

PMEPA1 (prostate transmembrane protein, androgen induced 1 is a 287 amino acid single-pass membrane protein that contains WW-binding motifs and localizes to the cell membrane. Expressed at high levels in prostate, kidney and ovary, PMEPA1 interacts with NEDD4 and may play a role in regulating AR (androgen receptor) levels, specifically in prostate cells. Down regulation of PMEPA1 is observed in prostate tumors, sÂµggesting that PMEPA1 may exhibit activity as a tumor suppressor. Overexpression of this protein may play a role in multiple types of cancer.

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);

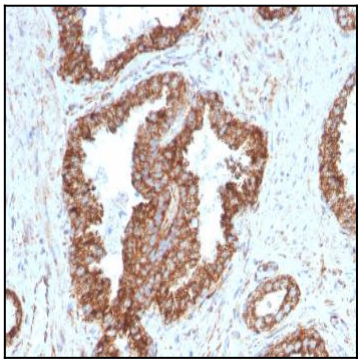


Fig. 1: Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with PMEPA1 Mouse Monoclonal Antibody (PMEPA1/2698).

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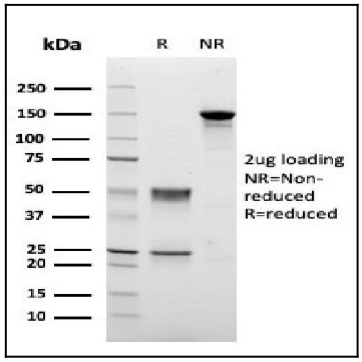


Fig. 2: SDS-PAGE Analysis Purified PMEPA1 Mouse Monoclonal Antibody (PMEPA1/2698). Confirmation of Purity and Integrity of Antibody.

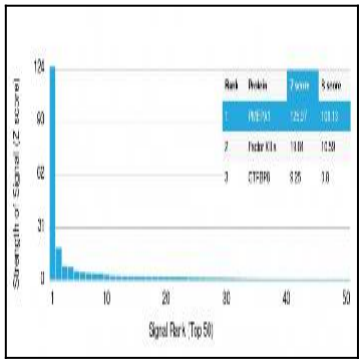


Fig. 3: Analysis of Protein Array containing more than 19,000 full-length human proteins using PMEPA1 Mouse Monoclonal Antibody (PMEPA1/2698). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.

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