

Product Datasheet

Recombinant Prostein Antibody / SLC45A3 (orb2634739)

Catalog Number	orb2634739
Category	Antibodies
Description	Human prostein is a 553 aa protein identified by cDNA library subtraction and subsequent high throughput microarray screening of prostate cancer. Prostein has multiple transmembrane domains. Prostein has been shown to be uniquely expressed in normal and cancerous prostatic tissues. By immunohistochemistry, prostein is expressed in the vast majority of normal and malignant prostatic tissues, regardless of grade and metastatic status. No protein expression is detected in normal and malignant tissue samples representing the great majority of essential tissues and tumors. In particular, prostein is expressed in most of poorly differentiated prostatic carcinoma, including small cell prostate carcinoma. Prostein is more specific and sensitive for prostatic carcinomas than PSA and PSAP.
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Immunogen	A synthesized peptide corresponding to the N terminus of the human protein was used as the immunogen for the recombinant Prostein antibody.
UniProt ID	Q96JT2
Tested applications	IHC-P

Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml
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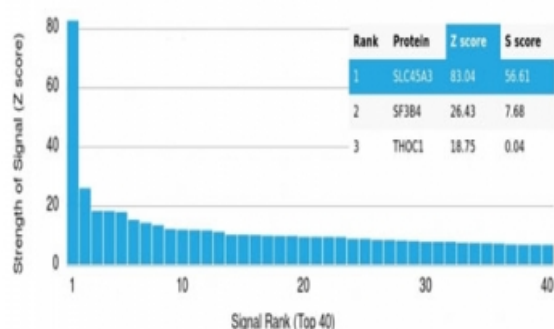
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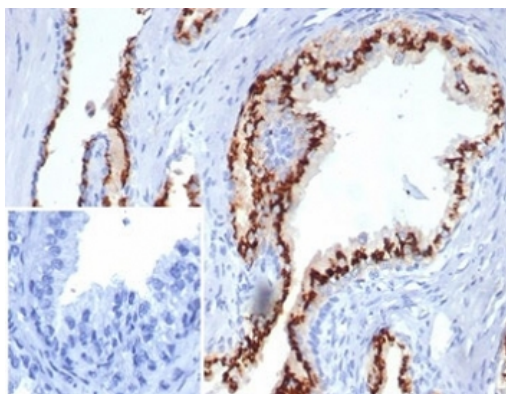
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Application notes	Optimal dilution of the recombinant Prostein antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	SLC45A3/7176R
Formula	1 mg/ml in 1X PBS; BSA free, sodium azide free
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only

Human Protein Microarray Specificity Validation



Analysis of HuProt (TM) microarray containing more than 19000 full-length human proteins using recombinant Prostein antibody (clone SLC45A3/7176R). These results demonstrate the foremost specificity of the SLC45A3/7176R mAb. Z- and S-score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt (TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt (TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



IHC staining of FFPE human prostate tissue with recombinant Prostein antibody (clone SLC45A3/7176R). Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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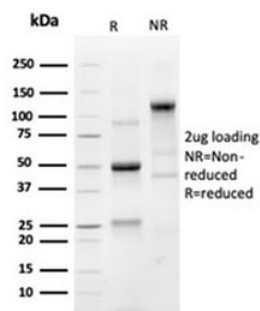
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SDS-PAGE analysis of purified, BSA-free recombinant Prostein antibody (clone SLC45A3/7176R) as confirmation of integrity and purity.

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