Recombinant Prostate Specific Antigen (PSA) Antibody

Rabbit Monoclonal Antibody [Clone KLK3/4602R]

Catalog No	Format	Size
354-RBM12-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
354-RBM12-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
354-RBM12-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

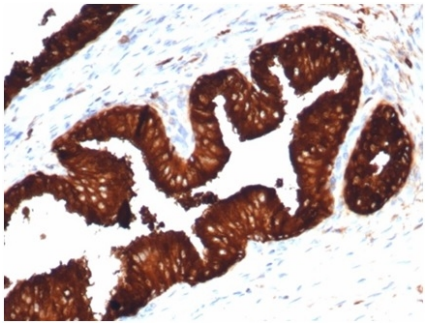
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

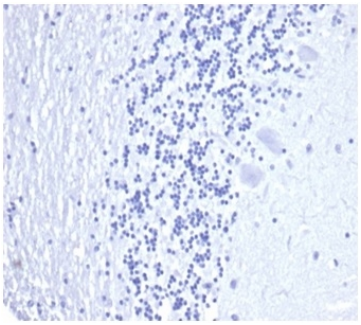
Clone	KLK3/4602R
Gene Name	KLK3
Immunogen	Synthetic peptide corresponding to PSA residues within aa150-250 of PSA was used as an immunogen
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	29kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	PC12 cells.Normal prostate or prostate carcinoma tissues.

**Optimal dilution for a specific application should be determined.*

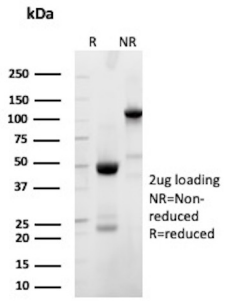
Product Images for Recombinant Prostate Specific Antigen (PSA) Antibody



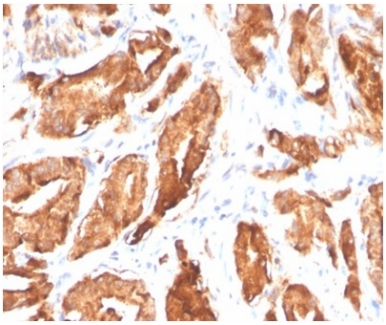
Formalin-fixed, paraffin-embedded human prostate carcinoma stained with PSA Recombinant Rabbit Monoclonal Antibody (KLK3/4602R).



IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using KLK3/4602R at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified PSA Recombinant Rabbit Monoclonal Antibody(KLK3/4602R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human prostate carcinoma stained with PSA Recombinant Rabbit MonoclonalAntibody (KLK3/4602R).

Specificity & Comments

Prostate-specific antigen (PSA) is a single-chain glycoprotein of 237 amino acids containing approximately 8% carbohydrate. It is a serine protease produced almost exclusively by prostatic epithelial cells. Immunohistochemically PSA is expressed in the highly specialized apically-superficial layer of female and male secretory cells of the prostate gland, and is readily demonstrated in adenocarcinomas of the prostate in about 99% of the cases. There is a correlation between malignancy grade and intensity of staining, high grade carcinomas displaying weaker expression. About 1% of poorly differentiated carcinomas have been negative for PSA. Due to the high specificity of PSA for prostatic glandular epithelium, it is very useful in identifying prostatic carcinoma in the prostate and in the adjacent organs often affected by epithelial malignancies, i.e. rectum and urinary bladder. PSA may be used in a panel together with NKX3.1 and Prostein, which are at least as sensitive and slightly more specific than PSA.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.

Research Areas

Cardiovascular, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.