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36-1300: Monoclonal Antibody to Prostate Specific Antigen (PSA)(Clone: KLK3/801)

Clonality: Monoclonal **Clone Name:** KLK3/801 Application: IHC Reactivity: Human Gene: KLK3 Gene ID: 354 **Uniprot ID:** P07288 **Purified** Format: **Alternative Name:** KLK3,APS

Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant full-length human KLK3 protein

Description

Recognizes a single protein of 33-34kDa, identified as the prostate specific antigen (PSA). This MAb is highly specific to PSA and stains prostatic secretory and ductal epithelium in both normal and neoplastic tissues. PSA is a chymotrypsin-like serine protease (kallikrein family) exclusively produced by the prostate epithelium, and abundant in seminal fluid. PSA can be detected in the sera of patients with prostatic carcinoma. It is predominantly complexed to a liver-derived serine protease inhibitor, alpha-1-antichymotrypsin (ACT). A higher proportion of serum PSA is complexed to ACT in prostate cancer than in benign prostate hyperplasia.

Product Info

Amount : 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

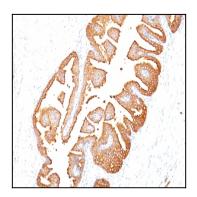
toxic.

Storage condition : Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

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°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with PSA Monoclonal Antibody (KLK3/801).