

PSA Recombinant Rabbit Monoclonal Antibody

Cat: HKZ150161
Company: HaoKebio
Uniprot ID: P07288

Organism: Rabbit

Species reactivity: Human

Predicted Molecular Weight: 29 kDa

Applications: IHC: 1:100-1:200

IHC-Polymer: 1:400-1:800

TSA: 1:500-1:1000

Background:

Prostate-specific antigen (PSA) is a 237-amino acid single-chain glycoprotein containing approximately 8% carbohydrate. As a serine protease, PSA is produced almost exclusively by prostate epithelial cells. In immunohistochemistry, PSA demonstrates specific expression in the apical surface layer of prostate secretory cells and in approximately 99% of prostate cancer cases. An inverse correlation exists between staining intensity and tumor grade, with higher-grade tumors showing weaker expression - only about 1% of poorly differentiated carcinomas are PSA-positive. PSA can be used in combination with NKX3.1 and Prostein, which exhibit similar sensitivity but slightly better specificity compared to PSA.

Protein full name:

Prostate-specific antigen

Synonyms:

PSA

Immunogen:

A synthetic peptide corresponding to amino acid residues 150-250 of PSA.

Isotype:

IgG

Subcellular location:

Secretory

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

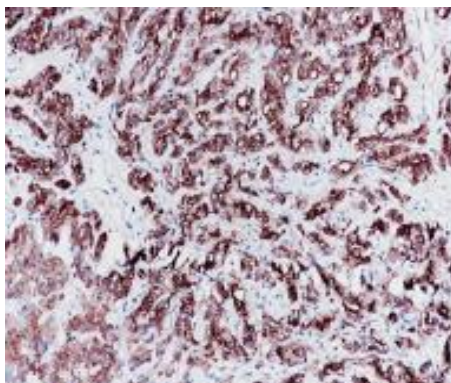
59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

Storage:

Ship on blue ice. Upon receipt, aliquot and store at -25°C to -18°C. Avoid repeated freeze-thaw cycles.

Experimental procedure:

Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature (18 °C - 25 °C) for 30 minutes.

Images:


Immunohistochemical results of PSA-labeled prostate tissue (formalin-fixed, paraffin-embedded sections) using HKZ150161. Tris-EDTA buffer (pH 9.0) was used for antigen retrieval.

Source of Reagents:

1. Ward AM, et.al, Ann Clin Biochem 2001; 38: 633-651.
2. ACS Aguiar, et.al, Histol Histopathol (2000) 15: 131-142.

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发表[中文论文]请标注: PSA (HKZ150161) 由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注: PSA (HKZ150161) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

