

PSA Polyclonal Antibody

Catalog NumberPA1-4235

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	Dilution *1:500-1:1,000
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Synthetic Peptide: V(247) H Y R K W I K D T I V A N P(261)		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

PA1-4235 detects Kallikrein-3 from human samples. PA1-4235 has been successfully used in Western blot procedures. PA1-4235 immunizing peptide corresponds to amino acid residues 247-261 from human Kallikrein-3.

Background/Target Information

PSA is a chymotrypsin-like serine protease (kallikrein family) produced by the prostate epithelium, and is 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. PSA is used to confirm prostatic acinar cell origin in primary and metastatic carcinoma and to rule out non-prostatic carcinoma mimics.

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