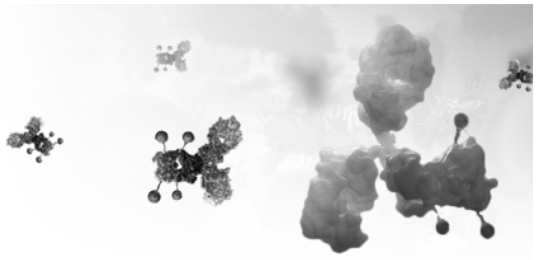

Rabbit Anti-Human NAPSA Monoclonal Antibody, clone CQ7194 (CABT-Z248R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide corresponding to residues within aa50-150 of Napsin A was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7194
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	45 kDa
Cellular Localization	Cytoplasm
Positive Control	Lung adenocarcinoma
Format	Liquid
Concentration	Lot specific
Size	100 µl

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Preservative	0.01% Sodium azide
Storage	Store at -20 °C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Napsin A is a pepsin-like aspartic proteinase contains 420 amino acids. It is predominantly expressed in the lung and kidney. In the lung, Napsin A is expressed in alveolar type II pneumocytes, regulated by TTF-1, and is involved in the generation of the surfactant protein B. Intra-alveolar macrophages contain Napsin A as a result of phagocytosis. In the kidney, Napsin A is expressed in the proximal tubules, where it is involved in lysosomal protein catabolism.Napsin A is important in the differential diagnosis of lung adenocarcinoma vs. squamous cell carcinoma, used in a panel with TTF-1, CK5 and p63. For tumours presenting as adenocarcinoma of unknown origin, the identification of a lung origin may be aided by NapA together with TTF1, and renal origin by NapA together with PAX8.
Keywords	NAPSA; napsin A aspartic peptidase; KAP; Kdap; NAP1; NAPA; SNAPA; napsin-A; ASP4; asp 4; napsin-1; TA01/TA02; pronapsin A; aspartyl protease 4; kidney-derived aspartic protease-like protein

GENE INFORMATION

Gene Name	NAPSA
Entrez Gene ID	9476
UniProt ID	O96009

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221