PIN Cocktail (P504S+p63) antibody

Catalog No.:	Mob 427, Mob 427-05
Applications:	Research Use Only. Optimal working conditions must be determined by the end user.
Immunogen:	A recombinant protein derived from amino acid 1-205 of human p63. A synthetic human AMACR peptide.
Clone:	4A4 (p63)
Isotype:	IgG2a
Format:	This antibody is supplied as a cocktail of tissue culture supernatant (p63) and purified immunoglobulin fraction of rabbit antiserum (P504S) containing sodium azide as a preservative.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:25-1:50 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
Staining Protocol:	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10mM citrate buffer, pH 6.0 prior to immunostaining.
Specificity:	P504S has been recently described as a prostate cancer-specific gene that encodes a protein involved in the beta-oxidation of branched chain fatty acids. Expression of P504S protein is found in prostatic adenocarcinoma but not in benign prostatic tissue. It stains premalignant lesions of prostate: high-grade prostatic intraepithelial neoplasia (PIN) and atypical adenomatous hyperplasia. P504S can be used as a positive marker for PIN. The p63 gene is highly expressed in the basal or progenitor layers of many epithelial tissues. p63 shows remarkable structural similarity to the p53 gene. Unlike p53, p63 encodes multiple isotypes with remarkable divergent abilities to transactivate p53 reporter genes and induce apoptosis. The combination of P504S and p63 (PIN) may be extremely useful for diagnosing prostatic intraepithelial neoplasia (PIN). P504S stains cytoplasm in prostatic adenocarcinomas and atypical hyperplasia while p63 stains nuclei in normal and benign prostate glands.
Positive Control:	Prostate carcinoma
Cellular Localization:	Cytoplasmic
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
Reference:	(i) Beach et al. Am J Surg Pathol 26 (12): 1588, 2002. (ii) Yang et al. Mol Cell 2: 305, 1998.

DBS *1020 Serpentine Lane, # 114, Pleasanton, CA 94566 Tel: 925 484 3350, Fax: 925 484 3390*
Website: www.dbiosys.com e-mail: customersupport@dbiosys.com