



**Category:**  
Monoclonal Antibodies

**Cat. #**  
1107NF- V1148

**Product Name:**  
Pan Cytokeratin, Pan CK-II – Concentrated

**Description:**  
Ms Mab. Anti-Human Pan Cytokeratin II (Pan CK-II)

**Immunogen:**  
Keratin fraction isolated from cultured cell line A-431, epidermoid carcinoma of vulva.

**Cellular Localization:**  
Cytoplasmic

**Application:**  
IHC (FFPE) 1:50-1:100 (Requires high temp. antigen demaking; 10 mM Citrate pH 6.0 boiling tissue for 10-20 mins. followed by cooling at RT for 10-20 mins or protease digestion, see "staining section").  
Western Blotting 1:100-1:400; Immunoprecipitation.

**Species Reactivity:**  
Human, Bovine, Rat, Mouse. This antibody shows wide interspecies cross-reactivity.

**Recommended Positive Control:**  
Skin, Colonic Carcinoma

**Presentation:**  
20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

**Aliquoting Instructions:**  
Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies. GENERAL INFO: When diluting for immunohistochemistry, ELISA or western blot, make the dilution in Antibody Diluting Buffer Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

**Staining Procedure:**  
This antibody can be used on frozen tissue sections and on formalin-fixed, paraffin-embedded tissue sections. The antibody may be used at a dilution of 1:50-1:100 in IHC, with High temperature antigenic unmasking technique predigestion is recommended with this antibody when using paraffin-embedded tissue sections.

**Specificity:**  
This antibody recognizes keratin polypeptides with molecular weights of 59, 58, 56, 52.5, 56.5, 54 and 45 kD, which correspond to cytokeratins 4,5,6,8,10,13 and 18.

**Storage:**  
Store at 2~8°C for short term, freeze under -20°C for long term storage.

**Size:** 0.5 ml  
**Clone:** B311.1  
**Isotype:** IgG1,k  
**Host:** Mouse  
**Form:** Concentrated  
**Mol. Wt. of Antigen:** 45, 52.5, 54, 56, 56.5, 58, & 59 kD  
**Concentration:** Antibody 0.35 mg/ml  
**Units On Hand:** YES

**References:**  
1. Bartek, J. et al, J Pathology, 164:215-224, 1991.  
2. Kasper, M Histochemistry, 95:613-620, 1991  
3. Bartkova, T et al. Neoplasma, 38:439-446, 1991

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**Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: [Info@antageneinc.com](mailto:Info@antageneinc.com)**