|  |  |
| --- | --- |
| Clone | Ks20.8 |
| Source | Mouse Monoclonal |
| Cat #  | PM090-6ml RTUPM090-3ml RTUCM090-0.1ml ConcCM090-0.5ml Conc HAM090-3ml RTUHam090-6ml RTU |
| Regulatory Status | IVD |

**Cytokeratin 20 (Ks20.8)**

**Intended Use:**

This antibody is intended for use to qualitatively identify Cytokeratin 20 antigen by light microscopy in formalin fixed, paraffin embedded tissue sections using immunohistochemical detection methodology. Interpretation of any positive or negative staining must be complemented with the evaluation of proper controls and must be made within the context of the patient’s clinical history and other diagnostic tests. A qualified pathologist must perform evaluation of the test.

**Summary and Explanation:**

This antibody is highly specific to cytokeratin 20 and shows no cross-reaction with other intermediate filament proteins. It is essentially non-reactive in squamous cell carcinomas and adenocarcinomas of the breast, lung, and endometrium, non-mucinous tumors of the ovary and small cell carcinomas.

**Immunogen:** Semi-purified human cytokeratin preparation

 **Isotype:** IgG2a

**Reagent Provided:
 Concentrated format:** Antibody to CK20 is diluted in antibody diluent, with 1% bovine serum
 albumin (BSA) and 0.05% sodium azide (NaN3). Recommended dilutions: 1:50 –
 1:100.The antibody dilution and protocol may vary depending on the specimen
 preparation and specific application. Optimal conditions should be
 determined by individual laboratory.

 **Pre-diluted format:** PathnSitu ready to use antibodies are pre tittered to optimal staining
 conditions. Further dilution may loose the activity and may yield to sub
 optimal staining.

**Storage Recommendations:** Store at 2°-8°C. Do not use after expiration date provided on the vial.

**Staining Recommendations:
 Antigen Retrieval Solution:** Use **Tris EDTA Buffer** **(PathnSitu Cat # PS009)** as antigen retrieval
 solution Heat Retrieval Method: Retrieve sections under steam pressure
 for 15 min using PathnSitu’s MERS (Multi Epitope Retrieval System) then
 allow solution to cool for 10 minutes then transfer tissue sections/slides to
 distilled water.

**Primary Antibody:**  Cover the tissue sections with primary antibody and incubate for 30
 min at room temperature when used PathnSitu PolyExcel Detection
 System.

**Detection System:** Refer to PathnSitu PolyExcel detection system protocol or manufacturer’s detection kit staining protocol when used other vendor detection system.

**Cellular Localization:** Cytoplasm

**Positive Control:** Colon Carcinoma

**Troubleshooting:** Follow the antibody specific protocol recommendations according to data sheet provided. If unusual results occur, contact PathnSitu Technical Support at 040-2701 5544 or techsupport@pathnsitu.com.

**Limitations and Warranty:** There are no warranties, expressed or implied, which extend beyond this
 description. PathnSitu is not liable for property damage, personal injury, or
 economic loss caused by this product.

**Bibliography:**  1. Moll R, et al. Am J Pathol. 1992 Feb;140(2):427-47.
 2. Moll R. Subcell Biochem. 1998;31:205-62