**Intended Use:** For Research Use Only

**Description:** Carbonic anhydrase IX (CAIX) is a cell surface transmembrane protein, which is predominantly found in the gastrointestinal tract and gall bladder. The glandular regions of normal colon are reported to be negative, but in the case of adenocarcinoma, the glands are positive. CAIX is also reported to be expressed in common epithelial tumors such as carcinomas of the esophagus, lung, colon, kidney, cervix, and non-small cell lung carcinoma. In breast carcinomas, CAIX expression has been reported to be associated with malignant tissue. Expression of CAIX is reported to be absent in normal kidney, chromophobe carcinomas or oncocytomas, however, it is specifically expressed in clear cell renal carcinoma.

**Specifications:**
- **Clone:** CA9/781
- **Source:** Mouse
- **Isotype:** IgG2b/k
- **Reactivity:** Human, horse
- **Localization:** Membrane, some cytoplasm
- **Formulation:** Antibody in PBS pH 7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
- **Storage:** Store at 2°- 8°C
- **Applications:** IHC, Flow Cyt., IF, WB

**Package:**
- Carbonic Anhydrase IX/CA IX Concentrated: MC0640, 1 ml
- Carbonic Anhydrase IX/CA IX Prediluted: MC0640RTU7, 7 ml

**IHC Procedure**:  
- **Positive Control Tissue:** Clear cell RCC  
- **Concentrated Dilution:** 50-200  
- **Pretreatment:** Citrate pH 6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
- **Incubation Time and Temp:** 30-60 minutes @ RT  
- **Detection:** Refer to the detection system manual  

* Result should be confirmed by an established diagnostic procedure.

**References:**

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