

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 36-3773: Anti-Cytokeratin, Basic (Type II or HMW) Monoclonal Antibody(Clone: rKRTH/2148)

Clonality: Monoclonal Clone Name: rKRTH/2148

**Application:** IHC

**Reactivity:** Human, Mouse, Rat

 Gene :
 KRT76

 Gene ID :
 51350

 Uniprot ID :
 Q01546

Alternative Name: KRT2B; KRT2P; HUMCYT2A; Keratin, type II Cytoskeletal 2 oral; K76; Keratin 2p (K2P);

Keratin-76; Cytokeratin-2P (CK-2P; Type-II Keratin Kb9

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Solubilized keratin extract from human stratum corneum

## **Description**

This antibody recognizes CK1, CK5, CK10 and CK14. In normal epithelia, it stains stratified epithelia, myoepithelial cells and basal cells in the prostate gland and bronchi. This MAb shows no reactivity with hepatocytes, pancreatic acinar cells, proximal renal tubules, or endometrial glands; there is no reactivity with cells derived from simple epithelia. Mesenchymal tumors, lymphomas, melanomas, neural tumors, and neuroendocrine tumors are negative with this antibody. It stains myoepithelial cells and has been shown to be useful in distinguishing prostate adenocarcinoma from benign prostate. This antibody has also been useful in separating benign from malignant intraductal breast proliferations.

## **Product Info**

**Amount:** 20 μg / 100 μg

Content: 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage condition :** Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous.

## **Application Note**

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);



Fig. 1: Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with CK HMW Mouse Recombinant Monoclonal Antibody (rKRTH/2148).



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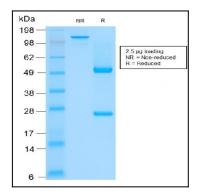


Fig. 2: SDS-PAGE Analysis of Purified CK HMW Mouse Recombinant Monoclonal Antibody (rKRTH/2148). Confirmation of Integrity and Purity of Antibody.