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## 36-2654: Anti-Cytokeratin 6A (KRT6A) (Basal Cell Marker) Monoclonal Antibody(Clone: rKRT6A/2100)

Clonality: Monoclonal Clone Name: rKRT6A/2100

Application: IHC
Reactivity: Human
Gene: KRT6A
Gene ID: 3853
Uniprot ID: P02538

58kDa Cytokeratin; CK5; Cytokeratin-5; DDD1; Epidermolysis Bullosa Simplex 2 (EBS2);

Alternative Name: Keratin 5; Keratin, Type II Cytoskeletal 5; Keratin-5; KRT5; Type-II Cytoskeletal 5; Type-II

keratin Kb5

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Recombinant full-length human Cytokeratin 6A (KRT6A) protein

## **Description**

This MAb recognizes a protein of 56kDa, identified as cytokeratin 6A (KRT6A). In humans, multiple isoforms of Cytokeratin 6 (6A-6F), encoded by several highly homologous genes, have distinct tissue expression patterns. Cytokeratin 6A is the dominant form in epithelial tissue. Cytokeratin 6 and 16 are expressed in keratinocytes, which are undergoing rapid turnover in the suprabasal region (also known as hyper-proliferation-related keratins). Cytokeratin 6 is found in hair follicles, suprabasal cells of a variety of internal stratified epithelia, in epidermis, in both normal and hyper-proliferative situations. Epidermal injury results in activation of keratinocytes, which express KRT6 and KRT16. KRT6 is strongly expressed in about 75% of head and neck squamous cell carcinomas.

## **Product Info**

**Amount :**  $20 \mu g / 100 \mu g$ 

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);

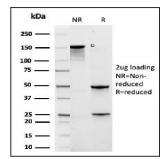


Fig. 1: SDS-PAGE Analysis Purified KRT6A Recombinant Mouse Monoclonal Antibody (rKRT6A/2100). Confirmation of Purity and Integrity of Antibody.



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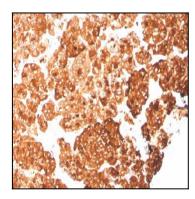


Fig. 2: Formalin-fixed, paraffin-embedded human pancreas stained with KRT6A Recombinant Mouse Monoclonal Antibody (rKRT6A/2100).