# Cytokeratin 6A (KRT6A) (Basal Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone KRT6A/2368]

| Catalog No | Format | Size |
|---|---|---|
| 3853-MSM4-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 3853-MSM4-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 3853-MSM4-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

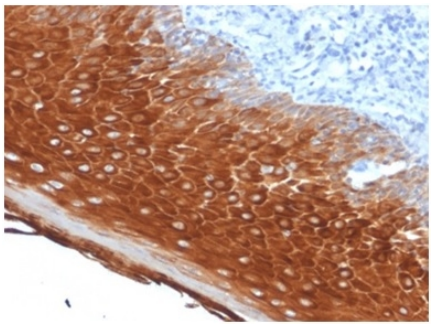
| Applications | Tested Dillution | Note |
|---|---|---|
| Flow Cytometry (Flow) | 1-2ug/million cells | |
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

## Product Details

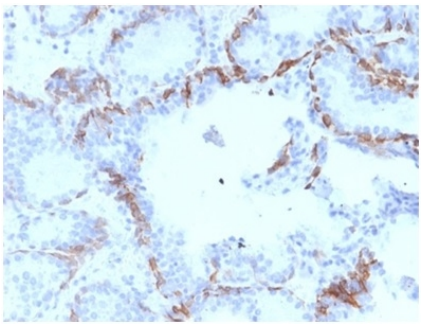
| | |
|---|---|
| **Clone** | KRT6A/2368 |
| **Gene Name** | KRT6A |
| **Immunogen** | Recombinant full-length human Cytokeratin 6A (KRT6A)protein |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG2a / Kappa |
| **Mol. Weight of Antigen** | 56kDa |
| **Species Reactivity** | Human |
| **Positive Control** | HeLa cells. Human tonsil or basal cell carcinoma (BCC). |

**Optimal dilution for a specific application should be determined.*

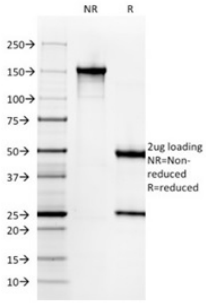
## Product Images for Cytokeratin 6A (KRT6A) (Basal Cell Marker) Antibody



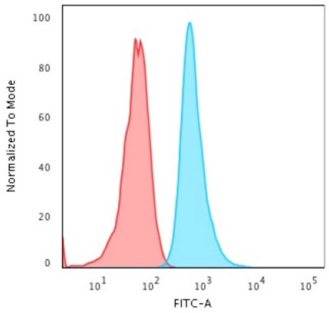
Formalin-fixed, paraffin-embedded human basal cell carcinomastained with Cytokeratin 6A (KRT6A) Mouse Monoclonal Antibody (KRT6A/2368).



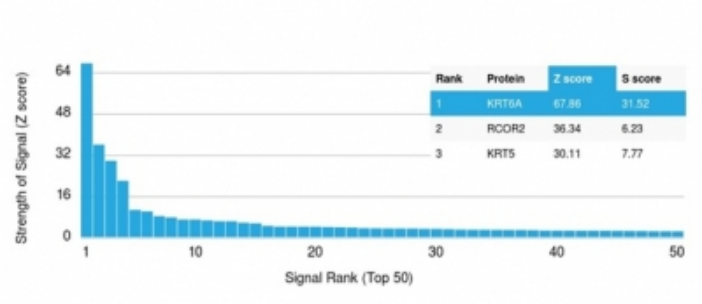
Formalin-fixed, paraffin-embedded human prostate carcinoma stained with Cytokeratin 6A (KRT6A) Mouse Monoclonal Antibody (KRT6A/2368).



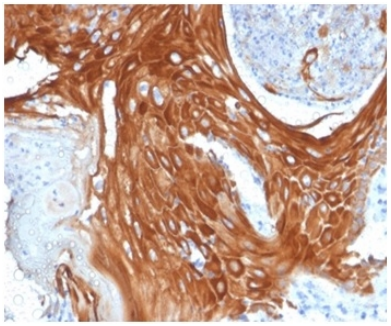

SDS-PAGE Analysis Purified Cytokeratin 6A Mouse Monoclonal Antibody (KRT6A/2368). Confirmation of Integrity and Purity of Antibody.




Flow cytometric analysis of PFA-fixed HeLacells. KRT6AMouse Monoclonal Antibody (KRT6A/2368) followed bygoat anti-mouse IgG-CF488 (blue); isotype control (red).




Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Cytokeratin 6A(KRT6A) Mouse Monoclonal Antibody (KRT6A/2368). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human basal cell carcinoma stained with Cytokeratin 6A (KRT6A) Mouse Monoclonal Antibody (KRT6A/2368).

## Specificity & Comments

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..

## Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

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. No MSDS required.

## Research Areas

Developmental Biology

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.