

## Product Datasheet

### KRT14 Antibody (orb1409988)

<b>Catalog Number</b>	orb1409988
<b>Category</b>	Antibodies
<b>Description</b>	Mouse monoclonal antibody to Cytokeratin 14 (KRT14) (Squamous Cell Marker)
<b>Target</b>	KRT14
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG2a
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Form/Appearance</b>	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% rAlbumin & 0.05% azide. Also available WITHOUT rAlbumin & azide at 1.0mg/ml.
<b>Immunogen</b>	Recombinant fragment (around aa351-472) of human KRT14 protein (exact sequence is proprietary)
<b>UniProt ID</b>	<b>P02533</b>
<b>MW</b>	~50kDa
<b>Tested applications</b>	IHC

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**Specificity**

Expressed in the corneal epithelium (at protein level) (PubMed:26758872). Detected in the basal layer, lowered within the more apically located layers specifically in the stratum spinosum, stratum granulosum but is not detected in stratum corneum. Strongly expressed in the outer root sheath of anagen follicles but not in the germinative matrix, inner root sheath or hair (PubMed:9457912). Found in keratinocytes surrounding the club hair during telogen (PubMed:9457912).

**Clone Number**

KRT14/4127

**Expression System**

HEK293 cells

**Storage**

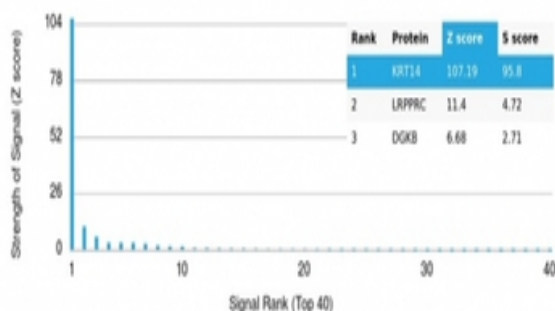
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Note**

For research use only

**Expiration Date**

12 months from date of receipt.



Analysis of Protein Array containing more than 19000 full-length human proteins using Cytokeratin 14 (KRT14)-Monospecific Mouse Monoclonal Antibody (KRT14/4127). 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 HuProt™ 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 HuProt™ 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.

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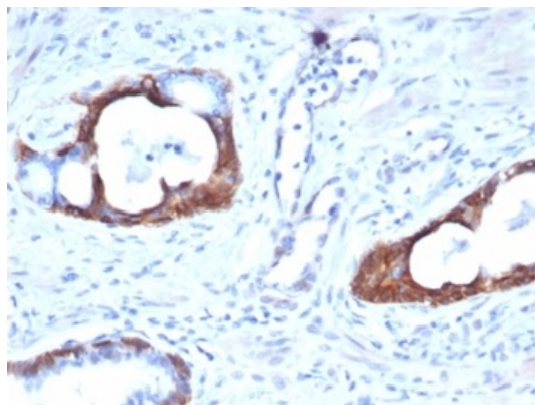
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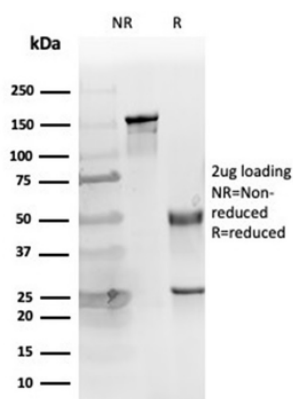
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Formalin-fixed, paraffin-embedded human prostate carcinoma stained with Cytokeratin 14 Mouse Monoclonal Antibody (KRT14/4127). HIER: Tris/EDTA, pH9.0, 45 min. 2°C: HRP-polymer, 30 min. DAB, 5 min.



SDS-PAGE Analysis of Purified Cytokeratin 14 Mouse Monoclonal Antibody (KRT14/4127). Confirmation of Purity and Integrity of Antibody.

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