

Datasheet for ABIN6939862

anti-Keratin 3 antibody

4 Images

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Overview

Quantity:	100 µg
Target:	Keratin 3 (KRT3)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Keratin 3 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human KRT3 protein
Clone:	KRT3-2130
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Keratin 3 (KRT3)
Alternative Name:	KRT3 (KRT3 Products)
Background:	<p>The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins, which are arranged in pairs of heterotypic keratin chains co-expressed during differentiation of simple and stratified epithelial tissues.</p> <p>This type II cytokeratin is specifically expressed in the corneal epithelium with family member</p>

Target Details

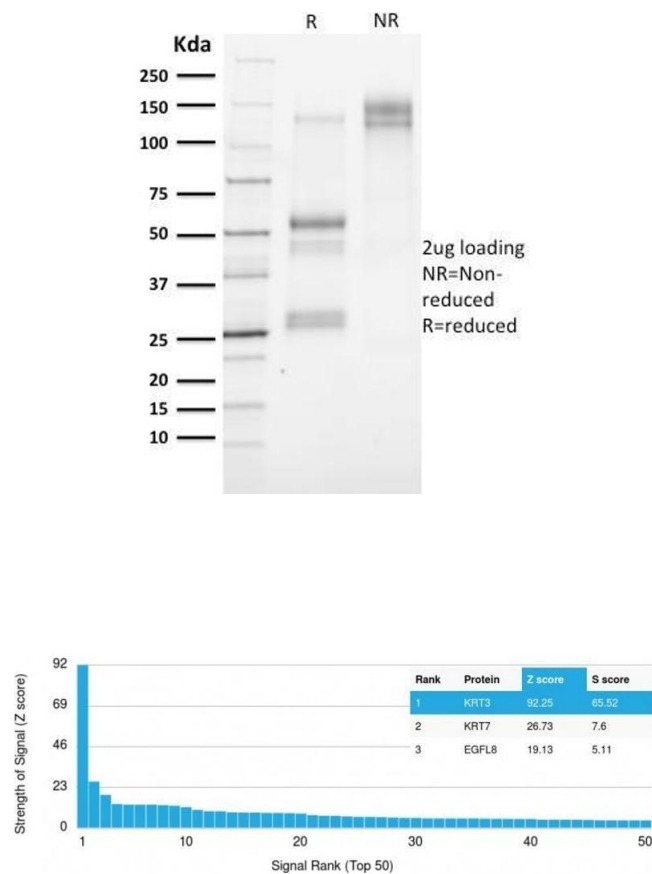
	KRT12 and mutations in these genes have been associated with Meesmann's Corneal Dystrophy.
Molecular Weight:	65kDa
Gene ID:	38550
UniProt:	P12035

Application Details

Application Notes:	Positive Control: A431 cells. Cornea or Skin. Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	24 months

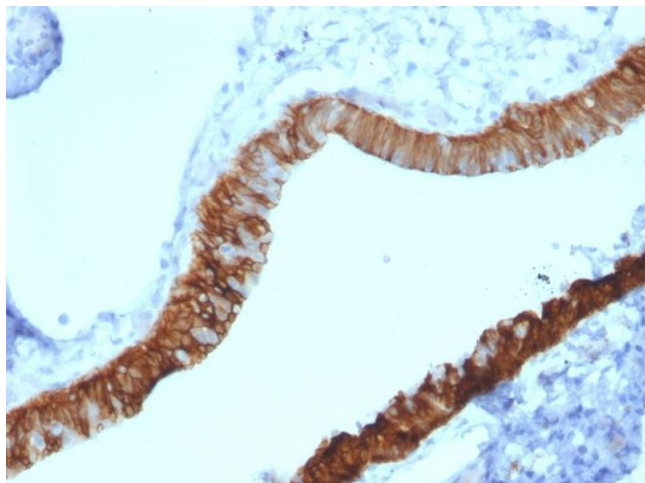


SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Cytokeratin 3 Mouse Monoclonal Antibody (KRT3/2130). Confirmation of Purity and Integrity of Antibody.

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Cytokeratin 3 Mouse Monoclonal Antibody (KRT3/2130). 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.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Ovary stained with Cytokeratin 3 Mouse Monoclonal Antibody (KRT3/2130).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6939862.