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Datasheet for ABIN6941456

Recombinant anti-Cytokeratin 2 antibody

3 Images

Overview

Quantity:	100 µg
Target:	Cytokeratin 2 (KRT76)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human KRT76 protein
Clone:	KRTH-1576R
Isotype:	IgG
Specificity:	This MAb recognizes basic (Type II or HMW) cytokeratins, which include 67 kDa (CK1), 64 kDa (CK3), 59 kDa (CK4), 58 kDa (CK5), 56 kDa (CK6), 52 kDa (CK8). Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. The acidic keratins have molecular weights (MW) of 56.5, 55, 51, 50, 50', 48, 46, 45, and 40 kDa. MAb AE3 recognizes the 65-67, 64, 59, 58, 56, and 52 kDa keratins of basic subfamily. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis.
Cross-Reactivity (Details):	Expected to show broad species reactivity.
Purification:	Purified by Protein A/G

Target Details

Target: Cytokeratin 2 (KRT76)

Alternative Name: KRT76 ([KRT76 Products](#))

Molecular Weight: 52-67kDa

Gene ID: 51350

UniProt: [Q01546](#)

Application Details

Application Notes: Positive Control: Epithelial cells, Skin or Adenocarcinomas.
Known Application: Immunohistochemistry (Formalin-fixed) (0.25-0.5 µg/mL for 30 min 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.

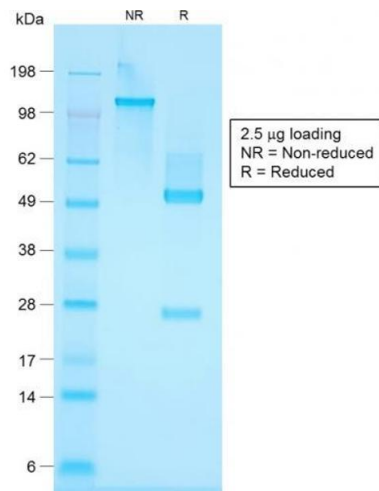
Preservative: Sodium azide

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

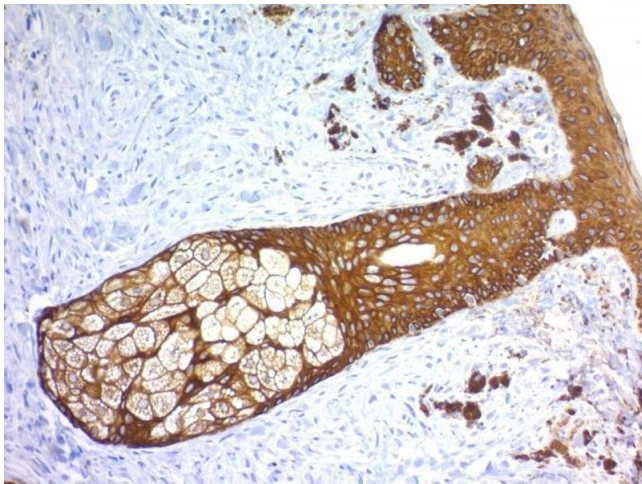
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



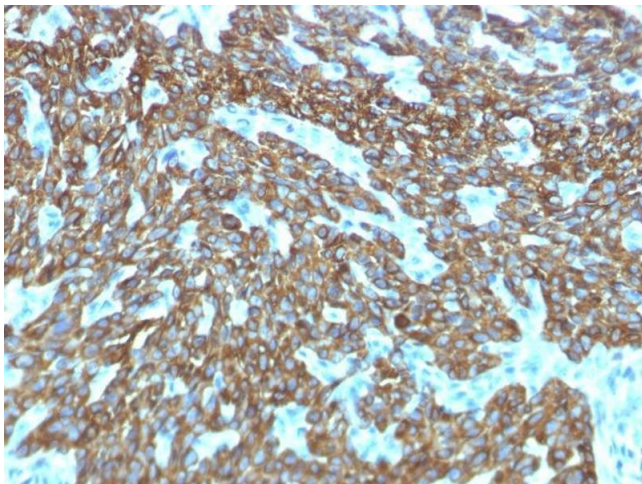
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Cytokeratin, HMW Rabbit Recombinant Monoclonal Antibody (KRTH/1576R).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Skin stained with Cytokeratin, HMW Rabbit Recombinant Monoclonal Antibody (KRTH/1576R).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Skin stained with Cytokeratin, HMW Rabbit Recombinant Monoclonal Antibody (KRTH/1576R).