

Datasheet for ABIN6941429
anti-Keratin 77 antibody

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Keratin 77 (KRT77)
Reactivity:	Human, Rat, Mouse, Rabbit, Cow, Dog, Chicken, Monkey, Turtle
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Keratin 77 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Human epidermal keratin
Clone:	AE-1
Isotype:	IgG1 kappa
Specificity:	<p>This MAb recognizes the 56.5 kDa (CK10), 50 kDa (CK14), 50 kDa (CK15), 48 kDa (CK16), 40 kDa (CK19) keratins of the acidic (Type I or LMW) subfamily. Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI , 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.</p> <p>AE1/AE3 is a broad spectrum anti pan-keratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer.</p>

Product Details

Purification: Purified by Protein A/G

Target Details

Target: Keratin 77 (KRT77)

Alternative Name: KRT77 ([KRT77 Products](#))

Molecular Weight: 40-56.5kDa

Gene ID: 374454

UniProt: [Q7Z794](#)

Application Details

Application Notes: Positive Control: Skin or squamous cell carcinoma (IHC).
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 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.

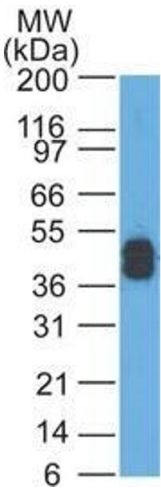
Preservative: Sodium azide

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

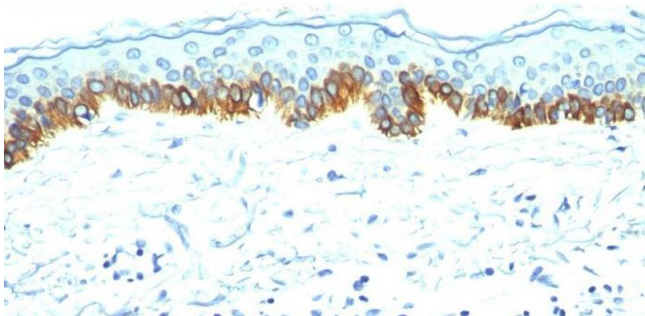
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



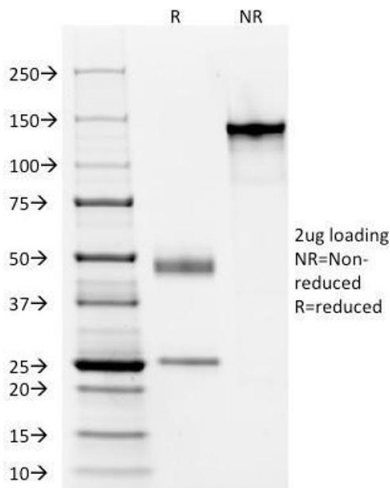
Western Blotting

Image 1. Western Blot Analysis of A431 cells using Cytokeratin, LMW Mouse Monoclonal Antibody (AE-1).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Skin stained with Cytokeratin, LMW Mouse Monoclonal Antibody (AE-1).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified Cytokeratin, LMW Monoclonal Antibody (AE-1). Confirmation of Purity and Integrity of Antibody.