

## Keratin 14 Ab

Cat.#: AF0736 Concn.: 1mg/ml Mol.Wt.: 52kDa Size: 100ul,200ul Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500

Reactivity: Human, Mouse, Rat

Purification: The antiserum was purified by peptide affinity

chromatography using SulfoLink™ Coupling Resin (Thermo

Fisher Scientific).

Specificity: Keratin 14 Ab detects endogenous levels of Keratin 14.

Immunogen: A synthesized peptide derived from human Keratin 14.

Uniprot: P02533/P08779

Description: K14 a type I cytoskeletal keratin. The keratins are

intermediate filament proteins responsible for the structural

integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. There are two types of cytoskeletal and microfibrillar keratin: type I (acidic; 40-55 kDa) [K9 to K20] and type II (neutral to basic; 56-70 kDa) [K1 to K8]. Both a basic and an acidic keratin are required for filament assembly. Generally associates with K5. Note: This description may include information from UniProtKB.

Subcellular Location: Cytoplasm. Nucleus. Expressed in both as a filamentous

pattern.

Tissue Specificity: 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. Found in keratinocytes surrounding the club hair

during telogen.

Similarity: Belongs to the intermediate filament family.

Storage Condition and

Buffer:

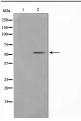
Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20

°C.Stable for 12 months from date of receipt.



## Affinity Biosciences

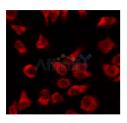
website:www.affbiotech.com order:order@affbiotech.com



Western blot analysis on NIH-3T3 cell lysate using Keratin 14 Ab,The lane on the left is treated with the antigen-specific peptide.



AF0736 at 1/100 staining human colon cancer tissues sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 ho



AF0736 staining sw480 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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