Keratin 20 Ab

Cat.#: AF0193 Concn.: 1mg/ml Mol.Wt.: 49kDa Size: 100ul,200ul Source: Rabbit Clonality: Polyclonal

Application: WB: 1:500~1:3000 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 20 Ab detects endogenous levels of total Keratin 20.

Immunogen: A synthesized peptide derived from human Keratin 20.

Uniprot: P35900

Description: K20 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.

Subcellular Location: Cytoplasm.

Tissue Specificity: Expressed predominantly in the intestinal epithelium.

Expressed in luminal cells of colonic mucosa. Also expressed in the Merkel cells of keratinized oral mucosa; specifically at the tips of some rete ridges of the gingival mucosa, in the basal layer of the palatal mucosa and in the taste buds of

lingual mucosa.

Similarity: Belongs to the intermediate filament family.

Storage Condition and

Buffer:

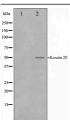
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20

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

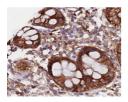


Affinity Biosciences

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



Western blot analysis on HeLa cell lysate using Keratin 20 Ab. The lane on the left is treated with the antigen-specific peptide.



AF0193 at 1/200 staining human colon carcinoma tissue 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 hours at 22°C. An HRP conjugated goat antirabbit Ab was used as the secondary.



AF0193 staining HeLa 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.

For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.