



## Immunohistochemistry Protocol for Keratin Antibodies 👄

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Version 2

**BioLegend** 

Working







EXTERNAL LINK

https://www.biolegend.com/protocols/immunohistochemistry-protocol-for-keratin-antibodies/4287/

**PROTOCOL STATUS** 

#### Working

**GUIDELINES** 

- Use with Ultra Streptavidin Detection Kit (SIG-32250) or (SIG-32248)
- Positive control: Normal human skin

### Clear Slides: Removes paraffin and hydrates the tissue

1

A. Xylene:

5 minutes in each of (3) different 250mL containers © 00:05:00

B. 100% alcohol

5 minutes in each of (3) different 250mL containers 000:05:00

C. 95% alcohol

3 minutes in (1) 250mL container ( 00:03:00

D. 70% alcohol

3 minutes in (1) 250mL container ( 00:03:00

E. Water

1 minutes in each of (3) different 250mL containers © 00:01:00

F. H<sub>2</sub>O<sub>2</sub> (3%)

15 minutes in (1) 250mL container **© 00:15:00** 

#### Rinse Slides

? Rinse slides with lab grade water.

Note: Lab grade filtered water such as injection grade, cell culture grade, Reverse Osmosis De-Ionisation (RODI).

# Antigen Retrieval

- 3 A. 70% Formic Acid incubate the slides for 20 minutes at room temperature. Note: This antigen retrieval step is harsh on the tissue. If using frozen sections reduce time to 5-10 minutes or omit if tissue falls off the slide.
  - **B**. Rinse Slides with 1X PBS.
  - C. Remove from microwave and allow slides to cool on the bench top for 10 minutes.

	<b>D</b> . Rinse slides with lab grade water.
4	Apply serum block for at least 5 minutes.  Do not wash after this step.  © 00:05:00
5	Blot off serum block
6	Apply primary antibody (see recommended dilution from datasheet)
7	Incubate primary antibody 60 minutes at room temperature.
8	Rinse slides with 1X PBS.
9	Apply USA Linking reagent - 20 minutes incubation. © 00:20:00
10	Rinse slides with 1X PBS.
11	Apply Labeling Reagent - 20 minutes incubation © 00:20:00
12	Rinse with 1X PBS.
13	Apply chromogen - 5 minutes incubation. Dilute according to manufacturer's instructions. <b>A</b> . AEC Chromogen: $20\mu L$ AEC chromogen + 1 mL AEC substrate buffer $\bigcirc 00:05:00$
14	Rinse slides with lab grade water.

Coverslip

15 Submerge slides in Mayer's Hematoxylin for 30 seconds

**©00:00:30** 

16 Rinse under running lab grade water for 1 minute or until water is clear

**©00:01:00** 

17 Submerge slides in Bluing Reagent for 1 minute

③00:01:00

18 Rinse under running lab grade water for 1 minute

**©**00:01:00

19 Cover slip slide using Permanent Aqueous Mounting Medium (SIG-31010)

Note: do not use xylene based mount with AEC Chromogen as it will dissolve the chromogen.

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