

## Anti-Cytokeratin17, mouse monoclonal (BS55)



BSH-7311-100 (0,1ml), BSH-7311-1 (1 ml)

<b>Clonality:</b>	Mouse monoclonal antibody
<b>Clone:</b>	BS55
<b>Application:</b>	IHC-P (1:100 – 1:400), IHC-Fro
<b>Species Reactivity:</b>	Human
<b>Control tissues:</b>	Skin, tonsil
<b>Buffer:</b>	TRIS with 0.03% sodium azide, pH 7,2
<b>Storage:</b>	Store at 4°C

### Description

CK17, also known as KRT17, it is the type I intermediate filament chain keratin 17. It is found in nail beds, hair follicles, sebaceous glands, and other epidermal appendages. Mutations in this gene lead to Jackson-Lawler type pachynychia congenita and steatocystoma multiplex. May play a role in the formation and maintenance of various skin appendages, specifically in determining shape and orientation of hair. May be a marker of basal cell differentiation in complex epithelia and therefore indicative of a certain type of epithelial "stem cells". May act as an autoantigen in the immunopathogenesis of psoriasis, with certain peptide regions being a major target for autoreactive T-cells and hence causing their proliferation. It is involved in tissue repair.

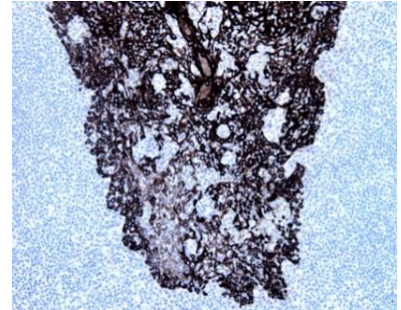
### Protocol

After paraffin removing and rehydration:

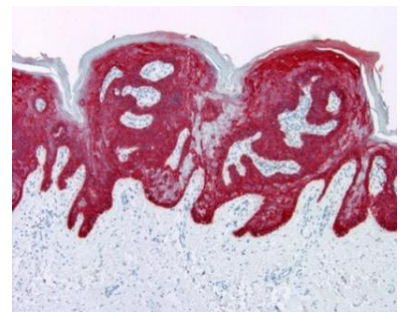
1. Pretreatment: HIER pH9
2. Wash (TBS-Tween)
3. Primary antibody: CK17 1:100 – 1:400, 30 min.
4. Wash
5. 3% H<sub>2</sub>O<sub>2</sub>, 10 min.\*
6. Wash
7. BioSite Histo HRP One-Step Polymer (KDB-10007), 30 min
8. Wash
9. Wash
10. DAB high contrast Kit (BCB-20032), 10 min
11. Aqua
12. CuSO<sub>4</sub> -post enhancement, 5 min
13. Aqua
14. Counter staining in diluted Mayer, 1 min
15. Bluing, 7 min in tap water
16. Dehydration, clearing and mounting

Dilution of this concentrated antibody depends on the detection system used and the final working dilution need to always be determined by the user.

\* Optional; Endogenous peroxidase blocking can also be done before primary antibody incubation.



Tonsil section has been stained using CK17 antibody (Clone: BS55) with 1:200 dilution. Epithelia of tonsil are stained intensively.



Skin section has been stained using CK17 antibody (Clone: BS55) with 1:200 dilution. Epidermis of the skin stained with permanent red chromogen.



Tonsil section has been stained using CK17 antibody (Clone: BS55) with 1:200 dilution. Epithelia of tonsil are stained intensively.