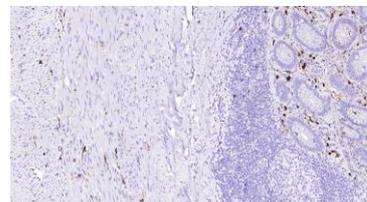


Anti-CD117 (BSR24)

BSH-4015-100 (0,1ml), BSH-4015-1 (1 ml)



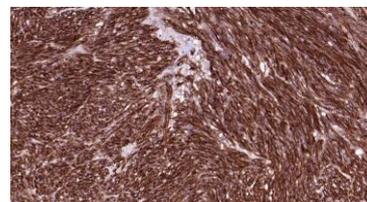
Clonality:	Rabbit monoclonal antibody
Clone:	BSR24
Application:	IHC-P (1:100 – 1:400)
Species Reactivity:	Human (others not tested)
Control tissues:	Appendix, GIST
Buffer:	TRIS with 0.03% sodium azide, pH 7,2
Storage:	Store at 4°C



Appendix has been stained with anti-CD117 (BSR24) 1:200 dilution. In appendiceal muscularis propria a strong predominantly membranous but also cytoplasmic staining reaction is seen in Cajal cells. A strong predominantly membranous staining reaction of mast cells in lamina propria.

Description

CD117 is a cell membrane protein encoded by the c-kit proto-oncogene. CD117 is expressed in mast cells, skin melanocytes and interstitial Cajal cells (ICC). These cells show a strong membrane and cytoplasmic staining. CD117 is also expressed in various epithelia (salivary glands, renal tubular cells etc.). Appendix serves as a good positive and negative control tissue. Neoplasms such as gastrointestinal stromal tumor (GIST), mast cell neoplasms and many other (seminoma, Merkel cell carcinoma etc.) express CD117. This antibody (together with DOG-1, CD34, SMA) is of great importance in the diagnosis of GIST, because of specific treatment of GIST patient with Gleevec.



GIST has been stained with anti-CD117 (BSR24) 1:200 dilution. Strong staining reaction is seen in all neoplastic cells.

Protocol

After paraffin removing and rehydration:

1. Pretreatment: HIER pH9
2. Wash (TBS-Tween)
3. Primary antibody: CD117 1:100 – 1:400, 30 min.
4. Wash
5. 3% H₂O₂, 10 min.*
6. Wash
7. BioSite Histo HRP One-Step Polymer (KDB-10046), 30 min
8. Wash
9. Wash
10. DAB high contrast Kit (BCB-20032), 10 min
11. Aqua
12. CuSO₄ -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.