

## Anti-P63, rabbit monoclonal (BSR6)

BSH-3006-100 (0,1ml), BSH-3006-1 (1 ml)

<b>Clonality:</b>	Rabbit monoclonal antibody
<b>Clone:</b>	BSR6
<b>Application:</b>	IHC-P (1:100 – 1:400)
<b>Species Reactivity:</b>	Human, mouse
<b>Control tissues:</b>	Tonsil, prostate
<b>Alias names:</b>	p63 $\alpha$ , p63 alpha
<b>Buffer:</b>	TRIS with 0.03% sodium azide, pH 7,2
<b>Storage:</b>	Store at 4°C

### Description

The p63 gene is a homologue of the p53 tumor suppressor gene. The p63 gene encodes for at least six major isoforms. P63 protein is a nuclear transcription factor and it is highly expressed in the basal cells of the epithelium. P63 is a useful marker for squamous, urothelial and myoepithelial carcinomas. P63 is found in the large majority of cases of squamous cell carcinoma. In basal-like subtype breast carcinoma, p63 is rarely detected. Prostate adenocarcinoma is typically P63 negative and P63 staining is useful for diagnosis of the prostate adenocarcinomas together with HMW-CK and AMACR.

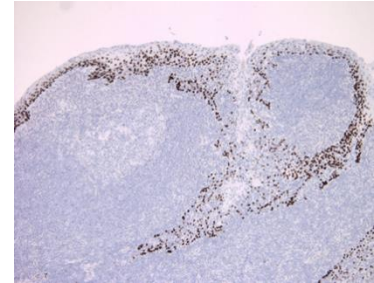
### Protocol

After paraffin removing and rehydration:

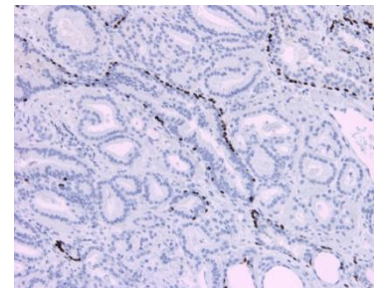
1. Pretreatment: HIER pH9
2. Wash (TBS-Tween)
3. Primary antibody: p63 1:100 – 1:400, 30 min.
4. Wash
5. 3% H<sub>2</sub>O<sub>2</sub>, 10 min.\*
6. Wash
7. BioSite Histo HRP One-Step Polymer (KDB-10046), 30 min
8. Wash
9. Wash
10. DAB high contrast Kit (BCB-20032), 10 min
11. Aqua
12. CuSO<sub>4</sub> -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.

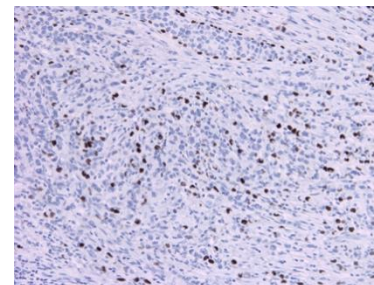
\* Optional; Endogenous peroxidase blocking can also be done before primary antibody incubation.



Tonsil section has been stained using P63 optibody (BSR6) with 1:200 dilution. Basal cells of epithelium have strongly stained with nuclear staining pattern. membranous staining pattern.



Prostate adenocarcinoma section has been stained using P63 optibody (BSR6) with 1:200 dilution. Normal prostate glands are P63 positive, prostate adenocarcinoma are P63 negative.



Ductal breast carcinoma section has been stained using P63 optibody (BSR6) with 1:200 dilution. Scattered and strongly to moderately stained, P63 positive carcinoma cells were observed.