

Anti-P63, rabbit monoclonal (BSR6)

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

Clonality:	Rabbit monoclonal antibody
Clone:	BSR6
Application:	IHC-P (1:100 – 1:400)
Species Reactivity:	Human, mouse
Control tissues:	Tonsil, prostate
Alias names:	p63 α , p63 alpha
Buffer:	TRIS with 0.03% sodium azide, pH 7,2
Storage:	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.

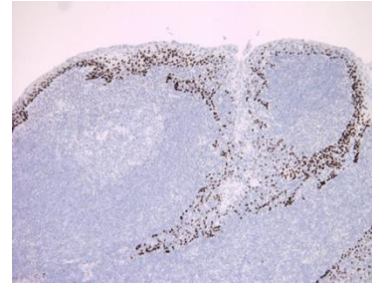
Protocol

After paraffin removing and rehydration:

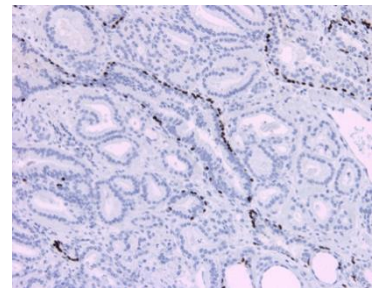
1. Pre-treatment: PT-module HIER pH9 (20min at 98°C)
2. Wash (TBS-Tween in all washing steps)
3. Primary antibody: p63 1:100 – 1:400, 30 min.
4. Wash
5. Peroxidase blocking (3% H₂O₂), 10 min.
6. Wash
7. One step HRP-polymer detection, 30 min
8. Wash x2
9. DAB-Substrate, 10 min
10. Aqua
11. CuSO₄ -post enhancement, 5 min
12. Aqua

Counter staining, Bluing, dehydration, clearing, and mounting.

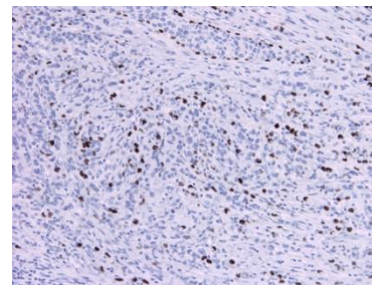
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



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.