

Anti-P53, mouse monoclonal (BS12)

BSH-7287-100 (0,1ml), BSH-7287-1 (1 ml)



Clonality:	Mouse monoclonal antibody
Clone:	BS12
Application:	IHC-P (1:100 – 1:400)
Species Reactivity:	Human
Control tissues:	Tonsil
Buffer:	TRIS with 0.03% sodium azide, pH 7,2
Storage:	Store at 4°C

Description

AP53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. P53 protein is expressed at low level in normal cells and at a high level in a variety of transformed cell lines, where it's believed to contribute to transformation and malignancy. Mutants of p53 that frequently occur in a number of different human cancers fail to bind the consensus DNA binding site, and hence cause the loss of tumor suppressor activity. P53 is especially useful for differential diagnosis of dysplastic and neoplastic tissues.

Protocol

After paraffin removing and rehydration:

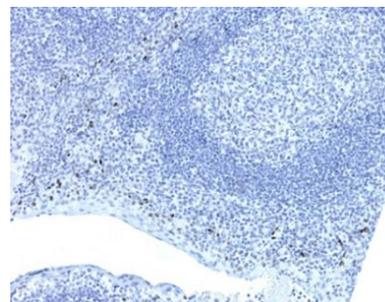
1. Pretreatment: HIER pH9
2. Wash (TBS-Tween)
3. Primary antibody: p53 1:100 – 1:400, 30 min.
4. Wash
5. 3% H₂O₂, 10 min.*
6. Wash
7. BioSite Histo HRP One-Step Polymer (KDB-10007), 30 min
8. Wash
9. Wash
10. DAB high contrast Kit (BCB-20032), 10 min
11. Aqua
12. CuSO₄ -post enhancement, 5 min
13. Aqua
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.

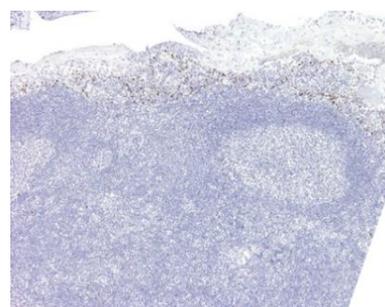
* Optional; Endogenous peroxidase blocking can also be done before primary antibody incubation.



Metastase section has been stained using P53 optibody (BS12) with 1:200 dilution. Carcinoma cells have strong staining reaction with nuclear staining pattern.



Tonsil section has been stained using P53 optibody (BS12) with 1:200 dilution. Scattered basal cells of epithelium have stained moderately with nuclear staining pattern.



Tonsil section has been stained using P53 optibody (BS12) with 1:200 dilution. Scattered basal cells of epithelium have stained moderately with nuclear staining pattern.