bsm-33417M

[Primary Antibody]

P63 Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG1
Clonality: Monoclonal
CloneNo.: 7B8
GeneID: 8626
SWISS: Q9H3D4
Target: P63
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a member of the p53 family of transcription factors. An animal model, p63 -/- mice, has been useful in defining the role this protein plays in the development and maintenance of stratified epithelial tissues. p63 -/- mice have several developmental defects which include the lack of limbs and other tissues, such as teeth and mammary glands, which develop as a result of interactions between mesenchyme and epithelium. Mutations in this gene are associated with ectodermal dysplasia, and cleft lip/palate syndrome 3 (EEC3); split-hand/foot malformation 4 (SHFM4); ankyloblepharon-ectodermal defects-cleft lip/palate; ADULT syndrome (acro-dermato-ungual-lacrimal-tooth); limb-mammary syndrome; Rap-Hodgkin syndrome (RHS); and orofacial cleft 8. Both alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different proteins. Many transcripts encoding different proteins have been reported but the biological validity and the full-length nature of these variants have not been determined. [provided by RefSeq, Jul 2008].

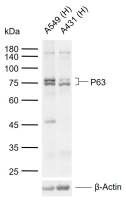
Applications: **WB** (1:1000-5000)
Flow-Cyt (2ug/Test)

Reactivity: Human (predicted: Mouse, Rat)

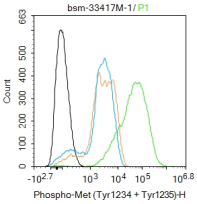
Predicted MW.: 77 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Lane 1: Human A549 cell lysates Lane 2: Human A431 cell lysates Primary: Anti-P63 (bsm-33417M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 77 kDa Observed band size: 75,76 kDa



Blank control（black line）:A549. Primary Antibody (green line): Mouse Anti-P63 antibody (bsm-33417M) Dilution:1ug/Test; Secondary Antibody（white blue line）: Goat anti-Mouse IgG-AF488 Dilution: 0.5ug/Test. Isotype control （orange line）: Normal mouse IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=1.291]** Duan CY et al. Limbal niche cells can reduce the angiogenic potential of cultivated oral mucosal epithelial cells. Cell Mol Biol Lett. 2019 Apr 4;24:3. ICC ;Rat. 30988673