
Anti-p63

Cat #: HM1271
Mouse monoclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

The tumor-suppressor protein p53 exhibits sequence specific DNA-binding, directly interacts with various cellular and viral proteins, and induces cell cycle arrest in response to DNA damage. p63 and p73, both highly homologous proteins to p53, can transactivate p53 target genes and induce apoptosis. The p63 gene encodes multiple isotypes with variable functions.

SPECIFICITY

This antibody specifically reacts with p63 of mouse, rat and human origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A recombinant protein corresponding to the full length human p63.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

1. Yang, A., Kaghad, M., Wang, Y., Gillett, E., Fleming, M.D., Dotsch, V., Andrews, N.C., Caput, D., and McKeon, F. 1998. p63, a p53 homolog at 3q27-29, encodes multiple products with transactivating, death-inducing, and dominant-negative activities. *Mol. Cell* 2: 305-316.
2. Yang, A., Schweitzer, R., Sun, D., Kaghad, M., Walker, N., Bronson, R.T., Tabin, C., Sharpe, A., Caput, D., Crum, C. and McKeon, F. 1999. p63 is essential for regenerative proliferation in limb, craniofacial and epithelial development. *Nature* 398, 714-718.
3. Flores, E.R., Tsai, K.Y., Crowley, D., Sengupta, S., Yang, A., McKeon, F. and Jacks, T. 2002. p63 and p73 are required for p53-dependent apoptosis in response to DNA damage. *Nature* 416, 560-564.

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Hypromatrix, Inc.
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USA

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Fax: 508-302-0748
Email: contact@hypromatrix.com
Web: www.hypromatrix.com