



Product Information Sheet

Polyclonal Anti-P73 alpha (Magnetic Bead Conjugate)

Catalogue No. PA1064-M

Immunogen

A peptide mapping at the C-terminal end of human P73 α , identical to the related rat and mouse sequence.

Lot No. 03A01

Ig type: rabbit IgG1

Purification

Immunogen affinity purified

Size: 100 μ g/Vial

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Storage

Store at 4°C for frequent use.

Recommended application

Immunoprecipitation (IP)

Description:

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

BACKGROUND

p73 is a substrate of the c-Abl kinase and that the ability of c-Abl to phosphorylate p73 is markedly increased by gamma-irradiation. Moreover, p73 was phosphorylated in vivo in response to ionizing radiation. p73, a member of the p53 family of tumour-suppressor proteins, can also induce apoptosis. p73 gene is mapped to chromosome 1p36. p73 is regulated by tyrosine kinase c-Abl in the apoptotic response to DNA damage.

REFERENCE

1. Kaghad, M.; Bonnet, H.; Yang, A.; Creancier, L.; Biscan, J.-C.; Valent, A.; Minty, A.; Chalon, P.; Lelias, J.-M.; Dumont, X.; Ferrara, P.; McKeon, F.; Caput, D. : Monoallelically expressed gene related to p53 at 1p36, a region frequently deleted in neuroblastoma and other human cancers. *Cell* 90: 809-819, 1997.
2. Agami, R.; Blandino, G.; Oren, M.; Shaul, Y. : Interaction of c-Abl and p73-alpha and their collaboration to induce apoptosis. *Nature* 399: 809-813, 1999.
3. Yuan, Z.-M.; Shioya, H.; Ishiko, T.; Sun, X.; Gu, J.; Huang, Y. Y.; Lu, H.; Kharbanda, S.; Weichselbaum, R.; Kufe, D. : p73 is regulated by tyrosine kinase c-Abl in the apoptotic response to DNA damage. *Nature* 399: 814-817, 1999.

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