



## Product Information Sheet

### Polyclonal Anti-P73 alpha

**Catalogue No.** PA1064

**Lot No.** 03A01

**Ig type:** rabbit IgG

**Size:** 100µg/vial

**Specificity**

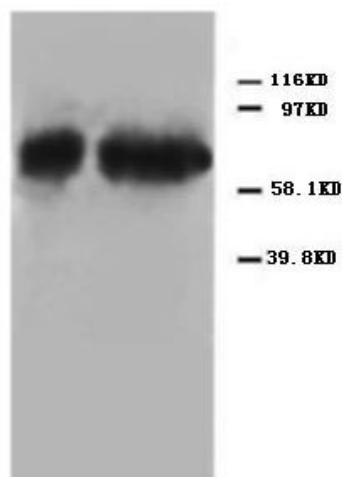
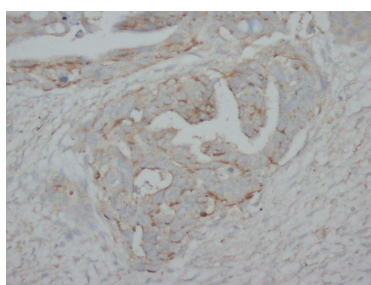
Human, mouse, rat.

No cross reactivity with other proteins.

**Recommended application**

*Western blot*

*Immunohistochemistry(P)*



**Immunogen**

A peptide mapping at the C-terminal end of human P73α, identical to the related rat and mouse sequence.

**Purity**

Immunogen affinity purified.

**Application**

*Western blot*

At 1-2µg/ml with the appropriate system to detect P73α in cells and tissues.

*Immunohistochemistry(P)*

At 1-2µg/ml to detect P73α in formalin fixed and paraffin embedded tissues. Boiling the sections is required.

*Other applications have not been tested.*

*Optimal dilutions should be determined by end user.*

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Reconstitution**

0.2ml of distilled water will yield a concentration of 500µg/ml.

**Storage**

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

**To reorder contact us at:**

**Antagene, Inc.**

**Toll Free: 1(866)964-2589**

**email: Info@antageneinc.com**

**FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.**

## **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.