

## Cell Cycle AntibodyArray™

Cat #: HM5000

### APPLICATIONS

Each Cell Cycle AntibodyArray™ contains high quality antibodies against 60 proteins regulating cell cycle. Cell Cycle AntibodyArray™ systems are generally used in the following applications:

- To screen novel protein-protein interactions that regulate cell cycle.
- To find out changes in protein-protein interactions during cell cycle.
- To examine changes in protein tyrosine phosphorylation cell cycle phases.

### PRODUCT

Each Cell Cycle AntibodyArray™ contains 60 antibodies immobilized on a nitrocellulose membrane. The list of the antibodies on the array is included in the Instruction Manual.

### STORAGE

Store at 4°C, do not freeze; stable for 6 months from the date of shipment.

### RESEARCH USE

For research use only, not for use in diagnostic or therapeutic procedures.

### REFERENCES

1. Wang Y, Wu TR, Cai S, Welte T, Chin YE. (2000). Stat1 as a component of tumor necrosis factor alpha receptor 1-TRADD signaling complex to inhibit NF-kappaB activation. *Mol. Cell Biol.* 20:4505-4512.
2. Sakaguchi M, Miyazaki M, Takaishi M, Sakaguchi Y, Makino E, Kataoka N, Yamada H, Namba M, Huh NH. (2003) S100C/A11 is a key mediator of Ca(2+)-induced growth inhibition of human epidermal keratinocytes. *J Cell Biol.* 163:825-35.
3. Abdollahi A, Hahnfeldt P, Maercker C, Grone HJ, Debus J, Ansoorge W, Folkman J, Hlatky L, Huber PE. (2004) Endostatin's antiangiogenic signaling network. *Mol Cell.* 13:649-63.
4. Konstantin V. Stoletov1 and Bruce I. Terman (2004) Bmx is a downstream Rap1 effector in VEGF-induced endothelial cell activation. *Biochemical and Biophysical Research Communications* 320: 70 - 75.
5. Wu P, Wang P. (2004) Per-Arnt-Sim domain-dependent association of cAMP-phosphodiesterase 8A1 with IkappaB proteins. *Proc Natl Acad Sci U S A.* 101:17634-9.
6. Liang M, Liang YY, Wrighton K, Ungermannova D, Wang XP, Brunicardi FC, Liu X, Feng XH, Lin X. (2004) Ubiquitination and proteolysis of cancer-derived Smad4 mutants by SCFSkp2. *Mol Cell Biol.* 24:7524-37.
7. Urtz N, Olivera A, Bofill-Cardona E, Csonga R, Billich A, Mechtcheriakova D, Bornancin F, Woisetschlager M, Rivera J, Baumruker T. (2004) Early activation of sphingosine kinase in mast cells and recruitment to FcepsilonRI are mediated by its interaction with Lyn kinase. *Mol Cell Biol.* 24:8765-77.
8. Gomez-Santos C, Barrachina M, Gimenez-Xavier P, Dalfo E, Ferrer I, Ambrosio S. (2005) Induction of C/EBP beta and GADD153 expression by dopamine in human neuroblastoma cells. Relationship with alpha-synuclein increase and cell damage. *Brain Res Bull.* 65:87-95.
9. Cubelos, B., Giménez, C. and Zafra, F. (2005) The scaffolding protein PSD-95 interacts with the glycine transporter GLYT1 and impairs its internalization. *J Neurochem.* 95:1047-58.

### PRODUCTS FROM HYPROMATRIX, INC.

#### A. AntibodyArray™s:

1. Signal Transduction AntibodyArray™  
Catalog Number HM3000
2. Apoptosis AntibodyArray™  
Catalog Number HM4000
3. Cell Cycle AntibodyArray™  
Catalog Number HM5000

#### B. Staining AntibodyArray™s

1. Staining AntibodyArray™ I  
Catalog Number HM8100
2. Trial Staining AntibodyArray™  
Catalog Number HM8900

#### C. Antibodies

##### 1. HRP-conjugated antibodies

- anti-GST  
Catalog Number HM2010
- anti-GFP  
Catalog Number HM2020
- anti-c-Myc  
Catalog Number HM2030
- anti-phosphotyrosine  
Catalog Number HM2040

and more...

##### 2. Primary antibodies

Hypromatrix offers a variety of high quality antibodies to our array customers. For a complete list of antibodies and their specificities, please contact Hypromatrix or local distributors.

### CONTACT

**Hypromatrix, Inc.**  
100 Barber Avenue  
Worcester, MA 01606  
USA

Tel: (508) 856-7900  
Email: [contact@hypromatrix.com](mailto:contact@hypromatrix.com)  
Web: [www.hypromatrix.com](http://www.hypromatrix.com)