

## Polyclonal Anti-Apoptosis inhibitor 5, **API5**

**Catalogue No.** PA1009

**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)*

Manufactured by

Boster Biological Technology

### **Optimum Biotech**

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### **Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminal of human API5, 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 API5 in cells and tissues.

*Immunohistochemistry(P)*

At 0.5-1µg/ml to detect API5 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.

### **Relative detection systems**

Antibody can be supported by chemiluminescence kit EK1002 in WB, supported by SA1022 in IH(P).

**BACKGROUND**

Many growth factors and cytokines act as cellular survival factors by preventing programmed cell death (apoptosis). Apoptosis inhibitor 5 (API5) is an antiapoptotic factor which may have a role in protein assembly. It is a critical determinant of E2F1-induced apoptosis, acting downstream of E2F to suppress E2F-dependent apoptosis without generally blocking E2F-dependent transcription.

**REFERENCE**

Tewari, M.; Yu, M.; Ross, B.; Dean, C.; Giordano, A.; Rubin, R. : AAC-11, a novel cDNA that inhibits apoptosis after growth factor withdrawal. *Cancer Res.* 57: 4063-4069, 1997.