

# p27(Phospho Thr187) Polyclonal Antibody

# Description

Product type Primary Antibody

Code BT-AP12610

Host Rabbit

Isotype IgG

**Size** 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human p27 Kip1 around the

phosphorylation site of Thr187. AA range:149-198

Mol wt 22073

Species reactivity Human, Mouse, Rat

**Clonality** Polyclonal

Recommended application WB, IHC-p, IF, ELISA

Concentration 1 mg/ml

Full name Cyclin-dependent kinase inhibitor 1B

Synonyms Cyclin-dependent kinase inhibitor 1B; CDKN1B; KIP1; Cyclin-dependent kinase inhibitor 1B; Cyclin-

dependent kinase inhibitor p27; p27Kip1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

This gene encodes a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. The encoded protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controls the cell cycle progression at G1. The degradation of this protein, which is triggered by its CDK dependent phosphorylation and subsequent ubiquitination by SCF complexes, is required for the cellular transition from quiescence to the proliferative state. Mutations in this gene are associated with multiple endocrine neoplasia type IV (MEN4).

#### Recommended Dilution

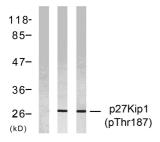
WB: 1: 500 - 1: 2000 IHC-p: 1: 100 - 1: 300 ELISA: 1: 10000

Not yet tested in other applications.

# Images

(kD) 117-85-48-34-26-

Western Blot analysis of various cells using Phospho-p27 (T187) Polyclonal Antibody



Western blot analysis of lysates from HeLa cells treated with EGF or IFN- $\alpha$ , using p27 Kip1 (Phospho-Thr187) Antibody. The lane on the left is blocked with the phospho peptide.

# Storage

-20°C for 1 year

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