

# p27 Monoclonal Antibody

## Description

Product type Primary Antibody

Code BT-MCA0968

Host Mouse

Isotype IgG

Size 50ul, 100ul

**Immunogen** Purified recombinant fragment of human p27 expressed in E. Coli.

Mol wt N/A

Species reactivity Human

Clonality Monoclonal

Recommended application WB, ELISA

Concentration 1 mg/ml

Full name Cyclin-dependent kinase inhibitor 1B

Synonyms 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**

ELISA: 1:10000 WB: 1:500 - 1:2000

Not yet tested in other applications.

#### **Images**



Western Blot analysis using p27 Monoclonal antibody against CDKN1B-hIgGFc transfected HEK293 cell lysate.

## Storage

-20°C for one year