

CDKN2B

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 15kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human CDKN2B

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

P15; MTS2; TP15; CDK4I; INK4B; p15INK4b;

Catalog #: A5685

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 1030

Isotype: IgG

Swiss Prot: P42772

Purity: Affinity purification

For research use only.

Background:

This gene lies adjacent to the tumor suppressor gene CDKN2A in a region that is frequently mutated and deleted in a wide variety of tumors. This gene encodes a cyclin-dependent kinase inhibitor, which forms a complex with CDK4 or CDK6, and prevents the activation of the CDK kinases, thus the encoded protein functions as a cell growth regulator that controls cell cycle G1 progression. The expression of this gene was found to be dramatically induced by TGF beta, which suggested its role in the TGF beta induced growth inhibition. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported.

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