

Product datasheet for **TA301407**

p16INK4A (CDKN2A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 2 ug/ml
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide made to a portion of human p14ARF (between residues 100-173). [Swiss-Prot# Q8N726]
Formulation:	Tris-glycine, 150mM NaCl and 0.05% sodium azide
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	cyclin-dependent kinase inhibitor 2A
Database Link:	NP_000068 Entrez Gene 1029 Human Q8N726
Background:	The INK4a-ARF locus is comprised of two tumor suppressors, p16INK4a and p14ARF. These two proteins are encoded through differential splicing of alternative first exons. The p16INK4a (exon 1 alpha) protein inhibits the cyclin D-dependent kinases (CDK) that control the phosphorylation of the Rb protein and cell proliferation. The p14ARF gene product complexes with the MDM2 protein within the nucleus, thus modulating the activity of the p53 protein. P14ARF is a potent tumor suppressor in the presence of wild-type p53, while mutant p53 substantially reduces growth inhibition by p14ARF.
Synonyms:	ARF; CDK4I; CDKN2; CMM2; INK4; INK4A; MLM; MTS-1; MTS1; P14; P14ARF; P16; P16-INK4A; P16INK4

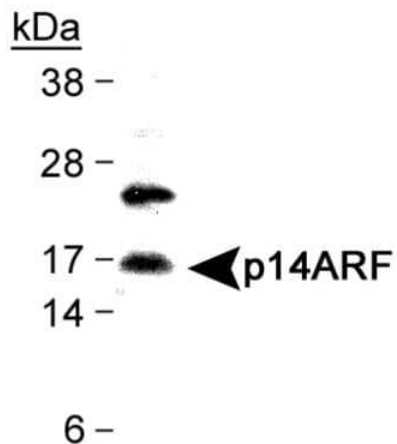


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Protein Families: Druggable Genome

Protein Pathways: Bladder cancer, Cell cycle, Chronic myeloid leukemia, Glioma, Melanoma, Non-small cell lung cancer, p53 signaling pathway, Pancreatic cancer, Pathways in cancer

Product images:



Western Blot: p14ARF Antibody TA301407 -
Detection of CDKN2A in HeLa whole cell extract.