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Product datasheet for TA392707M

p16INK4A (CDKN2A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids N-terminus of Human p16 INK4a.
Specificity:	p16 INK4a (A20) polyclonal antibody detects endogenous levels of p16-INK4a protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 16 kDa
Gene Name:	cyclin-dependent kinase inhibitor 2A
Database Link:	Entrez Gene 1029 Human P42771
Background:	The progression of cells through the cell cycle is regulated by a family of proteins designated cyclin-dependent kinases (Cdks). Sequential activation of individual members of this family and their consequent phosphorylation of critical substrates promotes orderly progression through the cell cycle. Multiple proteins are encoded by the tumor suppressor gene CDKN2A (MTS1/ p16INK4a) via translation of alternate reading frames, resulting in the production of the p19 ARF protein in mice and the p14 ARF protein in humans. p14 ARF induces an increase in MDM2 and p21 levels and leads to cell cycle arrest in both G1 and G2/M. p14 ARF is negatively regulated by p53 and is known to bind directly to MDM2. CDKN2A also encodes the mitotic protein p16, which binds to and inhibits the Cdk4/cyclin D complex.

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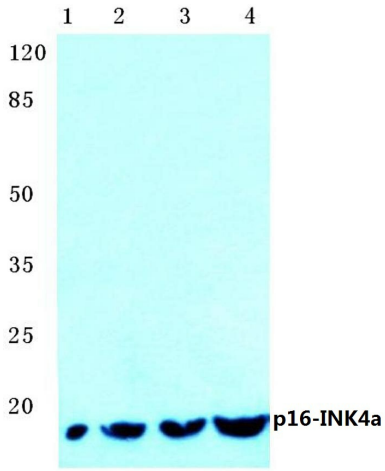
Synonyms: CDK4I; CDKN2; CDKN2A; Cyclin-dependent kinase 4 inhibitor A; Cyclin-dependent kinase inhibitor 2A; MTS-1; MTS1; Multiple tumor suppressor 1; p16-INK4; p16-INK4a; p16INK4A

Note: For research use only, not for use in diagnostic procedure.

Product images:



Western blot (WB) analysis of p16 INK4a (A20) pAb at 1:500 dilution Lane1:MCF-7 whole cell lysate(40ug) Lane2:HEK293T whole cell lysate(40ug) Lane3:PANC1 whole cell lysate(40ug)