

## Product datasheet for **TA349786**

### p18 INK4c (CDKN2C) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Raji cells IHC: 25-100 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human CDKN2C
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	18 kDa
Gene Name:	cyclin-dependent kinase inhibitor 2C
Database Link:	<a href="#">NP_523240</a> <a href="#">Entrez Gene 12580 Mouse</a> <a href="#">Entrez Gene 1031 Human</a> <a href="#">P42773</a>



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**Background:**

The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to interact with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. Ectopic expression of this gene was shown to suppress the growth of human cells in a manner that appears to correlate with the presence of a wild-type RB1 function. Studies in the knockout mice suggested the roles of this gene in regulating spermatogenesis, as well as in suppressing tumorigenesis. Two alternatively spliced transcript variants of this gene, which encode an identical protein, have been reported

**Synonyms:**

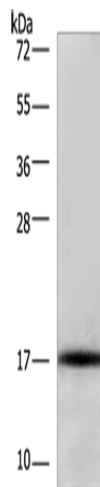
INK4C; p18; p18-INK4C

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Cell cycle

**Product images:**

Gel: 6%SDS-PAGE

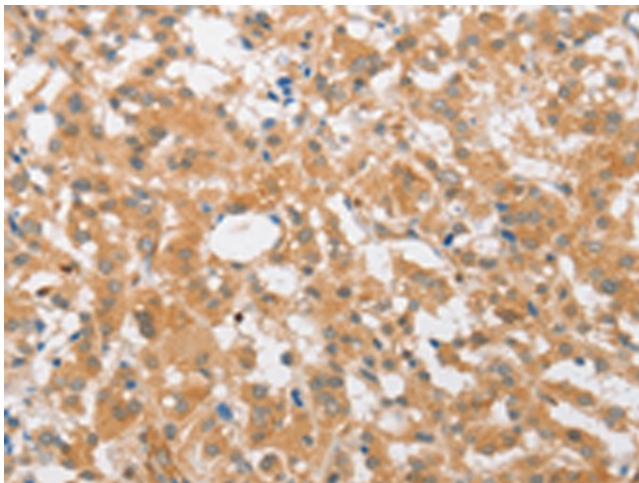
Lysate: 40 µg

Lane: Raji cells

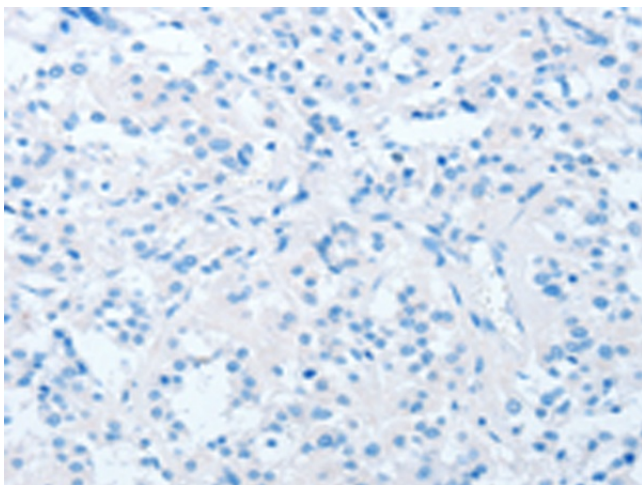
Primary antibody: TA349786 (CDKN2C Antibody) at dilution 1/325

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

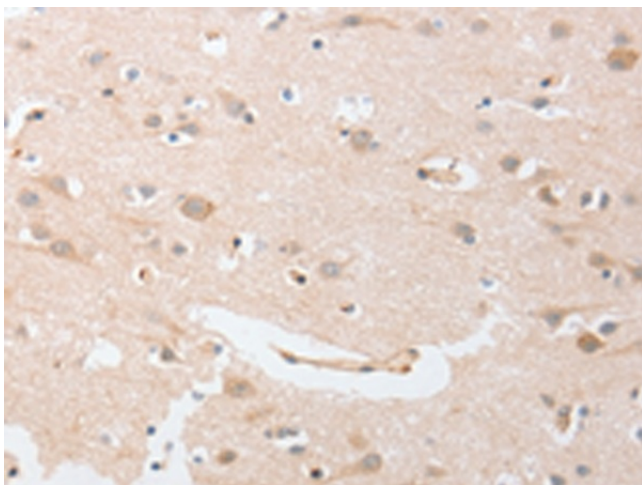
Exposure time: 40 seconds



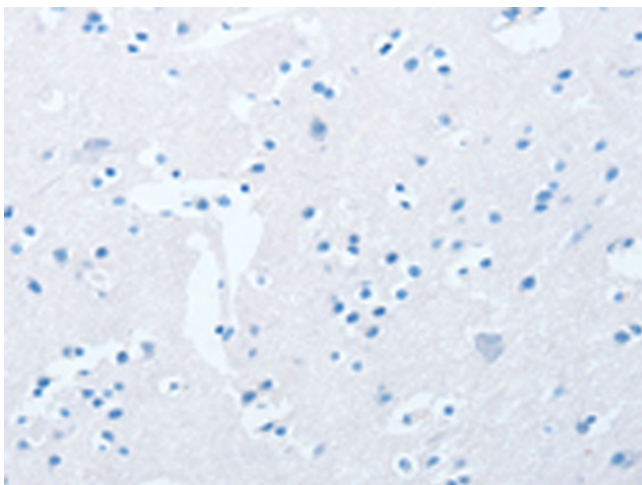
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA349786 (CDKN2C Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA349786 (CDKN2C Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human brain tissue using TA349786 (CDKN2C Antibody) at dilution 1/25 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human brain tissue using TA349786 (CDKN2C Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )