

Anti-Cdkn1c Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Cow,Sheep)
Molecular Weight:	Theoretical: 35 kDa. Actual: 61 kDa.
Purification:	Protein A purified

Applications

1. Blank control: SH-SY5Y.

Primary Antibody (green line): Rabbit Anti-p57 Kip2/Cdkn1c antibody (TMAB-04179)

Dilution: 1 µg/Test;

Secondary Antibody: Goat anti-rabbit IgG-FITC

Dilution: 0.5 µg/Test.

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

2. Paraformaldehyde-fixed, paraffin embedded (Mouse stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (p57 Kip2) Polyclonal Antibody, Unconjugated (TMAB-04179) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

3. Paraformaldehyde-fixed, paraffin embedded (Rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (p57 Kip2) Polyclonal Antibody, Unconjugated (TMAB-04179) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

4. Blank control: Hela.

Primary Antibody (green line): Rabbit Anti-p57 Kip2/Cdkn1c antibody (TMAB-04179)

Dilution: 1 µg /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG.

Secondary Antibody: Goat anti-rabbit IgG-PE

Dilution: 1 µg /test.

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

5. Sample:

Lane 1: Rat Placenta tissue lysates

Lane 2: Rat Cerebrum tissue lysates

Lane 3: Human SH-SY5Y cell lysates

Lane 4: Human HeLa cell lysates

Verified Activity:

A DRUG SCREENING EXPERT

Lane 5: Human U-2 OS cell lysates
Lane 6: Human Jurkat cell lysates
Primary: Anti-Cdkn1c (TMAB-04179) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 35 kDa
Observed band size: 61 kDa

Application: WB,IHC-P,IHC-Fr,IF,FCM

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 0.2µg/Test

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: rat Cdkn1c

Antigen Species: Rat

Gene ID: 246060

Uniprot ID: E9PTV7

Research Background

This gene is imprinted, with preferential expression of the maternal allele. The encoded protein is a tight-binding, strong inhibitor of several G1 cyclin/Cdk complexes and a negative regulator of cell proliferation. Mutations in this gene are implicated in sporadic cancers and Beckwith-Wiedemann syndrome, suggesting that this gene is a tumor suppressor candidate. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct 2010].

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