abcam

Product datasheet

Anti-CDKN2A/p19ARF antibody ab126879

1 Image

Overview

Product name	Anti-CDKN2A/p19ARF antibody
Description	Goat polyclonal to CDKN2A/p19ARF
Host species	Goat
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse
Immunogen	Synthetic peptide: C-RRGPHRNPGPGDDD with a Cysteine residue linker, corresponding to internal sequence amino acids 54-67 of Mouse CDKN2A/p19ARF (NP_034007.1). Run BLAST with Run BLAST with
Positive control	Mouse kidney and liver lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	ab126879 is purified from Goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab126879 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 18 kDa (predicted molecular weight: 19 kDa). 1 hour primary incubation is recommended for this product.

Target

Relevance

The gene for CDK2NA generates several transcripts/proteins which differ from each other in their first exons. Three of these transcripts are generated by alternative splicing (isoform 1 a.k.a p16INK4A, isoform 2 and isoform 3 a.k.a p12), two of which are known to function as inhibitors of CDK4 kinase. One other transcript that is generated from this gene contains an alternate reading frame (ARF), with the first exon located 20kb upstream of the remainder of the gene(isoform 4 a.k.a. p14ARF, p19ARF, ARF). In spite of the structural and some functional differences, all the proteins encoded by the CDKN2A gene are involved in cell cycle G1 control.

Cellular localization

Nuclear

Images

Western blot - Anti-CDKN2A/p19ARF antibody (ab126879)

Anti-CDKN2A/p19ARF antibody (ab126879) at 0.3 µg/ml + Mouse liver lysate (in RIPA buffer) at 35 µg

Developed using the ECL technique.

Predicted band size: 19 kDa

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