

Product datasheet

Anti-CDKN2A/p19ARF antibody [5-C3] (HRP) ab202225

[1 References](#) [1 Image](#)

Overview

Product name	Anti-CDKN2A/p19ARF antibody [5-C3] (HRP)
Description	Rat monoclonal [5-C3] to CDKN2A/p19ARF (HRP)
Host species	Rat
Conjugation	HRP
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse Does not react with: Hamster, Human
Immunogen	Synthetic peptide within Mouse CDKN2A/p19ARF aa 50-150 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary.
Positive control	WB: MEF-1 whole cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin Constituents: PBS, 30% Glycerol, 1% BSA
Purity	Affinity purified
Clonality	Monoclonal
Clone number	5-C3
Myeloma	Y3/Ag1.2.3
Isotype	IgG2b

Applications

Our [Abpromise guarantee](#) covers the use of **ab202225** 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		1/5000. Detects a band of approximately 19 kDa (predicted molecular weight: 17 kDa).

Target

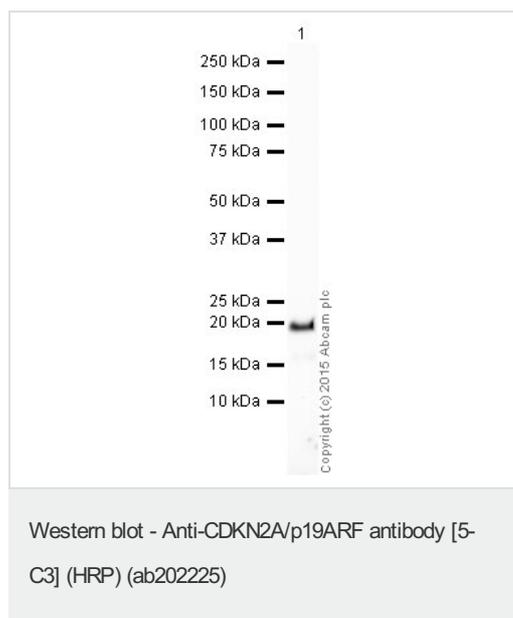
Relevance

The gene for CDKN2A 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



Anti-CDKN2A/p19ARF antibody [5-C3] (HRP) (ab202225) at 1/5000 dilution + MEF1 (Mouse embryonic fibroblast cell line) Whole Cell Lysate at 10 µg

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 17 kDa

Observed band size: 19 kDa

[why is the actual band size different from the predicted?](#)

Exposure time: 8 minutes

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab202225 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).

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