

Anti-p16 INK Monoclonal Antibody

Catalog Number: M00016

About CDKN2A

The ion channels activated by glutamate are typically divided into two classes. Those that are sensitive to N-methyl-D-aspartate (NMDA) are designated NMDA receptors (NMDAR) while those activated by alpha-amino-3-hydroxy-5-methyl-4-isoxalone propionic acid (AMPA) are known as AMPA receptors (AMPA). The AMPAR are comprised of four distinct glutamate receptor subunits designated (GluR1-4) and they play key roles in virtually all excitatory neurotransmission in the brain (Keinänen et al., 1990; Hollmann and Heinemann, 1994). The GluR1 subunit is widely expressed throughout the nervous system. Phosphorylation of Ser-845 on GluR1 is thought to be mediated by PKA and phosphorylation of this site increases the conductance of the AMPAR (Roche et al., 1996; Banke et al., 2000). In addition, phosphorylation of this site has been linked to synaptic plasticity as well as learning and memory (Lee et al., 2003; Esteban et al., 2003).

Overview

| | |
|----------------------|--|
| Product Name | Anti-p16 INK Monoclonal Antibody |
| Reactive Species | Human |
| Description | Boster Bio Anti-p16 INK Monoclonal Antibody catalog # M00016. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human. |
| Application | Flow Cytometry, IP, IF, IHC, ICC, WB |
| Clonality | Monoclonal CGD-3 |
| Formulation | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA. |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | P42771 |

Technical Details

| | |
|---------------------|--|
| Immunogen | A synthesized peptide derived from human p16 INK |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure. |
| Purification | Affinity-chromatography |
| Suggested Dilutions | Dilute the sample so that the expected range of concentrations fall within the detection range of this |

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB 1:500-1:2000

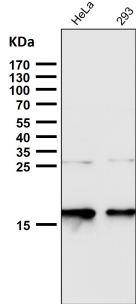
IHC 1:50-1:200

ICC/IF 1:50-1:200

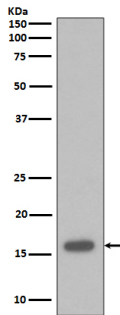
IP 1:30

FC 1:100

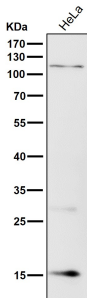
Anti-p16 INK Monoclonal Antibody (M00016) Images



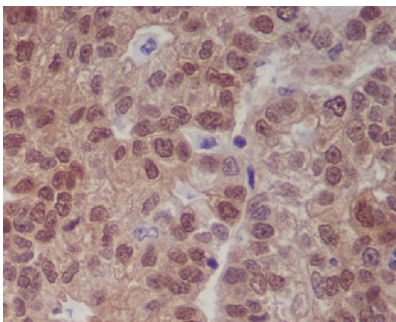
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of p16 INK expression in 293T cell lysate.

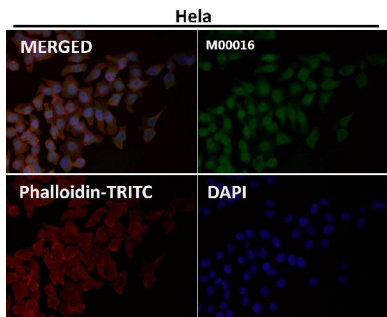
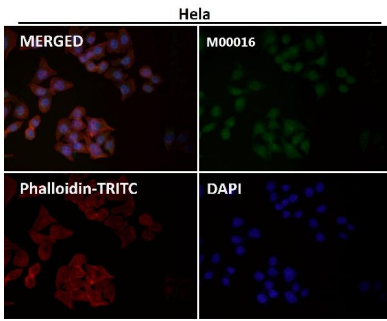


All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.

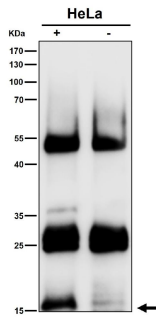


Immunohistochemical analysis of paraffin-embedded human gastric, using p16 INK Antibody.

Immunofluorescent analysis using the Antibody at 1:150 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunoprecipitate (IP) analysis using the Antibody at 1:50 dilution. (wb at 1:3K dilution)

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-p16 INK Monoclonal Antibody