Bioworld Technology CO., Ltd.

p14 ARF/p19 ARF (Q99) Peptide

Cat No.: BS1266P

Background

The INK4a/ARF locus encodes two unrelated tumor suppressor proteins, p16INK4a and p19ARF that restrain cell growth by modifying the functions of the retinoblastoma protein and p53, respectively. It is among the most frequently mutated tumor suppressor loci in human cancer. Both p16INK4a and p19ARF act as cell proliferation inhibitors. The ARF gene, p19ARF in mouse and p14ARF in human, has become an important player in cell cycle regulation. In mice, tumor suppressor effects appear to be mediated by interactions between p19ARF and the p53 tumor suppressor protein. p19ARF counters uncontrolled proliferation and oncogenic signals in p53 dependent pathways. Both p16INK4a and p19ARF are expressed in many cells as they emerge from the apoptotic crisis that characterizes the transformation process. Expression of p19ARF but not p16INK4a induces apoptosis in Ab-MLV-transformed pre-B cells.

Swiss-Prot

Q8N726

Applications

Blocking

Specificity

This peptide can be used with studies using BS1266 p14 ARF/p19 ARF (Q99) pAb.

Purification & Purity

Synthetic peptide p14 ARF/p19 ARF (Q99). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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