ARG62580
anti-INK4c antibody [18P118 (DCS-118)]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [18P118 (anti DCS-118)] recognizes INK4c
Tested Reactivity	Hu
Tested Application	ELISA, ICC/IF, IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Clone	18P118 (DCS-118)
Isotype	IgG1
Target Name	INK4c
Immunogen	Recombinant full length protein
Conjugation	Un-conjugated
Alternate Names	p18-INK4C; Cyclin-dependent kinase 6 inhibitor; Cyclin-dependent kinase 4 inhibitor C; p18-INK6; p18-INK4c; p18; INK4C

Application Instructions

Application Note	WB: 1 - 2 µg/ml IP: 1-2 µg/mg of lysate IHC-P: 2 - 4 µg/ml ELISA: 5 µg/ml * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	HeLa cells. Tonsil

Properties

Form	Liquid
Purification	Protein G purified
Buffer	10mM PBS (pH 7.4), 0.2% BSA and 0.09% Sodium azide
Preservative	0.09% Sodium azide
Stabilizer	0.2% BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 1031 Human Swiss-port # P42773 Human
Gene Symbol	CDKN2C
Gene Full Name	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)
Background	The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to interact with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. Ectopic expression of this gene was shown to suppress the growth of human cells in a manner that appears to correlate with the presence of a wild-type RB1 function. Studies in the knockout mice suggested the roles of this gene in regulating spermatogenesis, as well as in suppressing tumorigenesis. Two alternatively spliced transcript variants of this gene, which encode an identical protein, have been reported. [provided by RefSeq, Jul 2008]
Function	Interacts strongly with CDK6, weakly with CDK4. Inhibits cell growth and proliferation with a correlated dependence on endogenous retinoblastoma protein RB. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Gene Regulation antibody
Calculated Mw	18 kDa