ARG23703
anti-p15 INK4b antibody [DCS114.1]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [DCS114.1] recognizes p15 INK4b
Tested Reactivity	Hu
Tested Application	IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Clone	DCS114.1
Isotype	IgG1
Target Name	p15 INK4b
Species	Human
Immunogen	A his-tagged recombinant full length p15 protein.
Conjugation	Un-conjugated
Alternate Names	MTS-2; MTS2; Multiple tumor suppressor 2; p14-INK4b; Cyclin-dependent kinase 4 inhibitor B; TP15; p15INK4B; p15-INK4b; P15; p15INK4b; CDK4I; INK4B

Application Instructions

Application table

Application	Dilution
IHC-P	Assay-dependent
IP	Assay-dependent
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein A/G.
Buffer	PBS and 0.08% Sodium azide.
Preservative	0.08% Sodium azide
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

Gene Symbol	CDKN2B
Gene Full Name	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)
Background	This gene lies adjacent to the tumor suppressor gene CDKN2A in a region that is frequently mutated and deleted in a wide variety of tumors. This gene encodes a cyclin-dependent kinase inhibitor, which forms a complex with CDK4 or CDK6, and prevents the activation of the CDK kinases, thus the encoded protein functions as a cell growth regulator that controls cell cycle G1 progression. The expression of this gene was found to be dramatically induced by TGF beta, which suggested its role in the TGF beta induced growth inhibition. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. [provided by RefSeq, Jul 2008]
Function	Interacts strongly with CDK4 and CDK6. Potent inhibitor. Potential effector of TGF-beta induced cell cycle arrest. [UniProt]
Calculated Mw	15 kDa