ARG41642
anti-CDKN1C / p57 Kip2 antibody [57P06]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [57P06] recognizes CDKN1C / p57 Kip2
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	57P06
Isotype	IgG2b, kappa
Target Name	CDKN1C / p57 Kip2
Species	Human
Immunogen	Recombinant Human CDKN1C / p57 Kip2 protein.
Conjugation	Un-conjugated
Alternate Names	Cyclin-dependent kinase inhibitor p57; BWS; WBS; BWCR; KIP2; Cyclin-dependent kinase inhibitor 1C; p57; p57Kip2

Application Instructions

Application table

Application	Dilution
FACS	0.5 - 1 µg/10^6 cells
ICC/IF	0.5 - 1 µg/ml
IHC-P	0.25 - 0.5 µg/ml

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

Properties

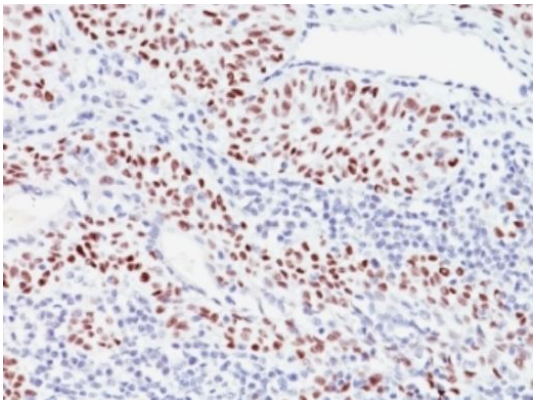
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot 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

Gene Symbol	CDKN1C
Gene Full Name	cyclin-dependent kinase inhibitor 1C (p57, Kip2)
Background	This gene is imprinted, with preferential expression of the maternal allele. The encoded protein is a tight-binding, strong inhibitor of several G1 cyclin/Cdk complexes and a negative regulator of cell proliferation. Mutations in this gene are implicated in sporadic cancers and Beckwith-Wiedemann syndorome, suggesting that this gene is a tumor suppressor candidate. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]
Function	Potent tight-binding inhibitor of several G1 cyclin/CDK complexes (cyclin E-CDK2, cyclin D2-CDK4, and cyclin A-CDK2) and, to lesser extent, of the mitotic cyclin B-CDC2. Negative regulator of cell proliferation. May play a role in maintenance of the non-proliferative state throughout life. [UniProt]
Calculated Mw	32 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG41642 anti-CDKN1C / p57 Kip2 antibody [57P06] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human bladder carcinoma tissue stained with ARG41642 anti-CDKN1C / p57 Kip2 antibody [57P06].