

Anti-p19INK4d Antibody (Monoclonal, DCS-100)

Catalog # ABO10460

Product Information

Application	WB, IHC-P, ICC
Primary Accession	Q60773
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Human
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for p19INK4d, cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4) (CDKN2D) detection. Tested with WB, IHC-P, ICC in Human. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Gene ID	12581
Other Names	Cyclin-dependent kinase 4 inhibitor D, p19-INK4d, Cdkn2d
Calculated MW	17809
Application Details	Immunohistochemistry(Paraffin-embedded Section), 1-2 μ g/ml, Human, By Heat Immunocytochemistry , 1 μ g/ml, Human, - Western blot, 0.5-1 μ g/ml, Human
Subcellular Localization	Nucleus . Cytoplasm .
Source	Eukaryota
Protein Name	Cyclin-dependent kinase 4 inhibitor D
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Clone Names	DCS-100
Immunogen	Recombinant human p19INK4d.
Purification	Ascites
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the CDKN2 cyclin-dependent kinase inhibitor family.

Protein Information

Name	Cdkn2d
Function	Interacts strongly with CDK4 and CDK6 and inhibits them.
Cellular Location	Nucleus. Cytoplasm.

Background

Cyclins are important in regulating the cell cycle through their formation of enzymatic complexes with various cyclin-dependent kinases. P19(INK4d) also known as cyclin-dependent kinase inhibitor 2D, is one of the novel members of the mouse INK4 gene family. Okuda et al.(1995) described the cloning of the human INK4d gene(CDKN2D). The predicted 166-amino acid protein is 86% identical to the mouse protein and about 45% identical to other human INK4 family members.

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