

ARG65651 anti-DMTF1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes DMTF1
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Cow, Dog, Pig
Tested Application	WB
Specificity	This antibody is expected to recognize both reported isoforms (NP_066968.3; NP_001135798.1).
Host	Goat
Clonality	Polyclonal
Target Name	DMTF1
Species	Human
Immunogen	Synthetic peptide around the internal region of Human DMTF1 (C-DAHVSKFSDQNSTE)
Conjugation	Un-conjugated
Alternate Names	hDMP1; hDMTF1; DMTF; Cyclin-D-binding Myb-like transcription factor 1; DMP1; MRUL; Cyclin-D-interacting Myb-like protein 1

Application Instructions

Application table	Application	Dilution
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

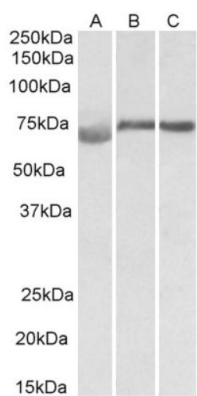
Properties

Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 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	DMTF1
Gene Full Name	cyclin D binding myb-like transcription factor 1
Background	This gene encodes a transcription factor that contains a cyclin D-binding domain, three central Myb-like repeats, and two flanking acidic transactivation domains at the N- and C-termini. The encoded protein is induced by the oncogenic Ras signaling pathway and functions as a tumor suppressor by activating the transcription of ARF and thus the ARF-p53 pathway to arrest cell growth or induce apoptosis. It also activates the transcription of aminopeptidase N and may play a role in hematopoietic cell differentiation. The transcriptional activity of this protein is regulated by binding of D-cyclins. This gene is hemizyously deleted in approximately 40% of human non-small-cell lung cancer and is a potential prognostic and gene-therapy target for non-small-cell lung cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]
Function	Transcriptional activator which activates the CDKN2A/ARF locus in response to Ras-Raf signaling, thereby promoting p53/TP53-dependent growth arrest (By similarity). Binds to the consensus sequence 5'-CCCG[GT]ATGT-3' (By similarity). Isoform 1 may cooperate with MYB to activate transcription of the ANPEP gene. Isoform 2 may antagonize transcriptional activation by isoform 1. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Gene Regulation antibody
Calculated Mw	75 kDa (NP_001135799.1)
PTM	Phosphorylated by the cyclin-D2/CDK4, cyclin-D3/CDK4 and cyclin-D2/CDK6 complexes and to a lesser extent by the cyclin-D1/CDK4 complex.

Images



ARG65651 anti-DMTF1 antibody WB image

Western blot: 35 µg of Human (A), Mouse (B) and Rat (C) Testis lysate stained with ARG65651 anti-DMTF1 antibody at 1 µg/ml dilution (1 hour incubation).