

Product datasheet for **TA338013**

DMTF1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-DMTF1 antibody: synthetic peptide directed towards the middle region of human DMTF1. Synthetic peptide located within the following region: TFPDEIHHPKMTVEPSFNDAHVSKFSDQNSTELMNSVMVRTEEEISDTDL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	84 kDa
Gene Name:	cyclin D binding myb like transcription factor 1
Database Link:	NP_066968 Entrez Gene 23857 Mouse Entrez Gene 9988 Human Q9Y222



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Background:

DMTF1 is 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. DMTF1 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 DMTF1 is regulated by binding of D-cyclins. The gene encoding DMTF1 is hemizygotously 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.

Synonyms:

DMP1; DMTF; hDMP1; MRUL

Note:

Immunogen Sequence Homology: Horse: 100%; Human: 100%; Dog: 93%; Pig: 93%; Mouse: 93%; Bovine: 93%; Rabbit: 93%; Guinea pig: 92%; Rat: 86%

Protein Families:

Transcription Factors

Product images:

WB Suggested Anti-DMTF1 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive
Control: HT1080 cell lysate