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# DMTF1 (aa629-642) Antibody (internal region)

**Peptide-affinity purified goat antibody**
**Catalog # AF3990a**

## Specification

### DMTF1 (aa629-642) Antibody (internal region) - Product Information

| | |
|---|---|
| Application | **WB, E** |
| Primary Accession | Q9Y222 |
| Other Accession | NP_066968.3, NP_001135798.1, 9988, 23857 (mouse) |
| Reactivity | **Human, Mouse, Rat** |
| Predicted | **Pig, Dog** |
| Host | **Goat** |
| Clonality | **Polyclonal** |
| Concentration | **0.5 mg/ml** |
| Isotype | **IgG** |
| Calculated MW | **84471** |

### DMTF1 (aa629-642) Antibody (internal region) - Additional Information

**Gene ID** 9988

**Other Names**
Cyclin-D-binding Myb-like transcription factor 1, hDMTF1, Cyclin-D-interacting Myb-like protein 1, hDMP1, DMTF1, DMP1

**Dilution**
WB~~1:1000
E~~N/A

**Format**
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
DMTF1 (aa629-642) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

### DMTF1 (aa629-642) Antibody (internal region) - Protein Information

**Name** DMTF1

**Synonyms** DMP1

**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.

**Cellular Location**
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00625, ECO:0000269|PubMed:17936562}

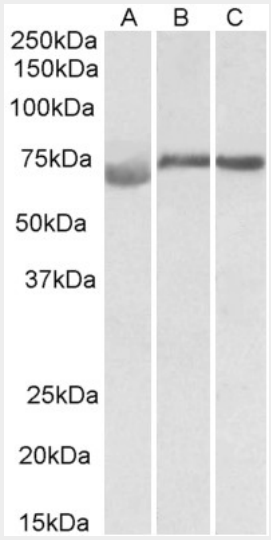
**Tissue Location**
Expressed at relatively low levels in colonic mucosa, ovary, peripheral leukocytes, prostate and small intestine, and at higher levels in spleen, testis and thymus. Expressed in multiple regions of the brain and CNS including amygdala, caudate, corpus callosum, hippocampus, substantia nigra and subthalamic nucleus Isoform 1 is the predominant isoform in monocytes, macrophages and neutrophils, isoform 2 is most strongly expressed in peripheral blood leukocytes and quiescent CD34 positive cells, and isoform 3 is expressed at low levels in all hematopoietic cell types. Expression is frequently reduced in non-small-cell lung carcinomas (NSCLC) due to hemizygous gene deletion, strongly suggesting that this locus is haploinsufficient for tumor suppression. Loss of this locus frequently occurs in tumors which retain wild-type CDKN2A/ARF and p53/TP53 loci Hemizygous gene deletion has also been observed in leukemic blasts from patients with abnormalities of the long arm of chromosome 7

## DMTF1 (aa629-642) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## DMTF1 (aa629-642) Antibody (internal region) - Images



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AF3990a (1 µg/ml) staining of Human (A), Mouse (B) and Rat (C) Testis lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**DMTF1 (aa629-642) Antibody (internal region) - Background**

This antibody is expected to recognize both reported isoforms (NP_066968.3; NP_001135798.1). Reported variants represent identical protein: NP_066968.3, NP_001135799.1

**DMTF1 (aa629-642) Antibody (internal region) - References**

Emerging roles of DMP1 in lung cancer. Inoue K, Sugiyama T, Taneja P, Morgan RL, Frazier DP. Cancer research 2008 Jun 68 (12): 4487-90. PMID: 18559489