

DEAF1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16405b**Specification**

DEAF1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O75398](#)**DEAF1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10522**Other Names**

Deformed epidermal autoregulatory factor 1 homolog, Nuclear DEAF-1-related transcriptional regulator, NUDR, Suppressin, Zinc finger MYND domain-containing protein 5, DEAF1, SPN, ZMYND5

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DEAF1 Antibody (C-term) Blocking Peptide - Protein Information**Name** DEAF1**Synonyms** SPN, ZMYND5**Function**

Transcription factor that binds to sequence with multiple copies of 5'-TTC[CG]G-3' present in its own promoter and that of the HNRPA2B1 gene. Down-regulates transcription of these genes. Binds to the retinoic acid response element (RARE) 5'-AGGGTTCACCGAAAGTTCA-3'. Activates the proenkephalin gene independently of promoter binding, probably through protein-protein interaction. When secreted, behaves as an inhibitor of cell proliferation, by arresting cells in the G0 or G1 phase. Required for neural tube closure and skeletal patterning. Regulates epithelial cell proliferation and side-branching in the mammary gland. Controls the expression of peripheral tissue antigens in pancreatic lymph nodes. Isoform 1 displays greater transcriptional activity than isoform 4. Isoform 4 may inhibit transcriptional activity of isoform 1 by interacting with isoform 1 and retaining it in the cytoplasm. Transcriptional activator of EIF4G3.

Cellular Location

[Isoform 1]: Nucleus. Cytoplasm. Note=Cytoplasmic in non-mucinous colorectal carcinoma. When expressed alone, localized almost exclusively in the nucleus but, when expressed with isoform 4, nuclear expression decreases to 32% and cytoplasmic expression increases by 270% [Isoform 3]:

Secreted. Note=Secreted in some cell types

Tissue Location

Expressed in various tissues and cells such as in peripheral mononuclear cells and hormone-secreting pituitary cells Expression in pancreatic lymph nodes of patients with type 1 diabetes is 20 times higher than in healthy controls. Highly expressed in fetal and adult brain.

DEAF1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DEAF1 Antibody (C-term) Blocking Peptide - Images**DEAF1 Antibody (C-term) Blocking Peptide - Background**

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DEAF1 Antibody (C-term) Blocking Peptide - References

Pilot-Storck, F., et al. Mol. Cell Proteomics 9(7):1578-1593(2010)Gu, B., et al. Biochem. Biophys. Res. Commun. 394(2):418-423(2010)Yip, L., et al. Nat. Immunol. 10(9):1026-1033(2009)Egli, R.J., et al. Arthritis Rheum. 60(7):2055-2064(2009)Barker, H.E., et al. BMC Dev. Biol. 8, 94 (2008) :