

NUDR / DEAF1 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS16221**Specification**

NUDR / DEAF1 Antibody (Internal) - Product Information

Application	WB
Primary Accession	O75398
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59kDa KDa

NUDR / DEAF1 Antibody (Internal) - 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

Target/Specificity

Human DEAF1

Reconstitution & Storage

Aliquot and freeze at -20° C. Avoid freeze-thaw cycles.

Precautions

NUDR / DEAF1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

NUDR / DEAF1 Antibody (Internal) - 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.

Volume

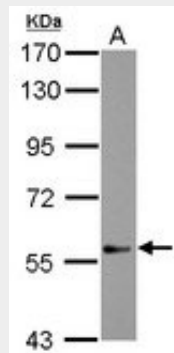
50 μ l

NUDR / DEAF1 Antibody (Internal) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NUDR / DEAF1 Antibody (Internal) - Images



Sample (30 μ g of whole cell lysate) A: NT2D1 7.5% SDS PAGE DEAF1 antibody diluted at 1:3000

NUDR / DEAF1 Antibody (Internal) - Background

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.

NUDR / DEAF1 Antibody (Internal) - References

Huggenvik J.I.,et al.Mol. Endocrinol. 12:1619-1639(1998).

Manne U.,et al.Clin. Cancer Res. 7:3495-3503(2001).

Yip L.,et al.Nat. Immunol. 10:1026-1033(2009).

LeBoeuf R.D.,et al.Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).