

# Deaf1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP2711b

# **Specification**

# Deaf1 Antibody (C-term) - Product Information

**Application** WB,E **Primary Accession** 09Z1T5 Other Accession 088450 Reactivity Human Predicted Rat Host Rabbit **Polyclonal** Clonality Isotype Rabbit IgG Antigen Region 368-400

# Deaf1 Antibody (C-term) - Additional Information

#### **Gene ID 54006**

### **Other Names**

Deformed epidermal autoregulatory factor 1 homolog, Nuclear DEAF-1-related transcriptional regulator, NUDR, Deaf1

# Target/Specificity

This Deaf1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 368-400 amino acids from the C-terminal region of human Deaf1.

# **Dilution**

WB~~1:1000

### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

### Storage

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

# **Precautions**

Deaf1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

# Deaf1 Antibody (C-term) - Protein Information

# Name Deaf1

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 (By similarity). Regulates epithelial cell proliferation and side-branching in the mammary gland. Required for neural tube closure and skeletal patterning. Controls the expression of peripheral tissue antigens in pancreatic lymph nodes. Isoform 1 displays greater transcriptional activity than isoform 2. Isoform 2 may inhibit transcriptional activity of isoform 1 by interacting with it and retaining it in the cytoplasm. Transcriptional activator of EIF4G3 (By similarity). May also involved in behavior (PubMed: 24726472).

### **Cellular Location**

[Isoform 1]: Nucleus. Cytoplasm.

#### **Tissue Location**

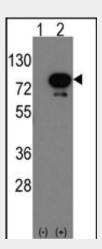
Ubiquitously expressed during embryogenesis, with higher expression in regions of the central nervous system, dorsal root ganglia, submandibular gland, epidermis and breast. In 12-week-old NOD mice, expression of isoform 2 is sevenfold higher in lymph node stromal elements than in T-cells and tenfold higher than in B-cells

### Deaf1 Antibody (C-term) - 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

# Deaf1 Antibody (C-term) - Images



Western blot analysis of Deaf1(arrow) using rabbit polyclonal Deaf1 Antibody (Human C-term) (Cat.#AP2711b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the Deaf1 gene (Lane 2) (Origene Technologies).

# Deaf1 Antibody (C-term) - Background







Drosophila Deformed epidermal autoregulatory factor 1 (DEAF-1) is a DNA-binding protein that interacts with regulatory sequences first described in the Deformed epidermal autoregulatory element.

# Deaf1 Antibody (C-term) - References

Czesak, M., J. Neurosci. 26 (6), 1864-1871 (2006) Hahm, K., Mol. Cell. Biol. 24 (5), 2074-2082 (2004)