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Deaf1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2711b

Product Information

Application	WB, E
Primary Accession	Q9Z1T5
Other Accession	O88450
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB10698
Calculated MW	59633
Antigen Region	368-400

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 E~~Use at an assay dependent concentration.
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.

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

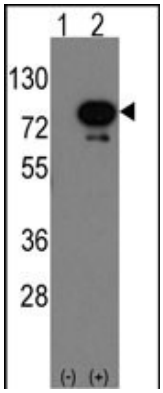
Background

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.

References

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

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.