

Goat Anti-Dachshund homolog 2 / DACH2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1297a**Specification**

Goat Anti-Dachshund homolog 2 / DACH2 Antibody - Product Information

Application	WB, E
Primary Accession	Q96NX9
Other Accession	NP_444511 , 117154 , 93837 (mouse)
Reactivity	Mouse
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	65323

Goat Anti-Dachshund homolog 2 / DACH2 Antibody - Additional Information**Gene ID** 117154**Other Names**

Dachshund homolog 2, Dach2, DACH2

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, 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

Goat Anti-Dachshund homolog 2 / DACH2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Dachshund homolog 2 / DACH2 Antibody - Protein Information**Name** DACH2**Function**

Transcription factor that is involved in regulation of organogenesis. Seems to be a regulator for SIX1 and SIX6. Seems to act as a corepressor of SIX6 in regulating proliferation by directly

repressing cyclin-dependent kinase inhibitors, including the p27Kip1 promoter. Is recruited with SIX6 to the p27Kip1 promoter in embryonal retina. SIX6 corepression also seems to involve NCOR1, TBL1, HDAC1 and HDAC3. May be involved together with PAX3, SIX1, and EYA2 in regulation of myogenesis. In the developing somite, expression of DACH2 and PAX3 is regulated by the overlying ectoderm, and DACH2 and PAX3 positively regulate each other's expression (By similarity). Probably binds to DNA via its DACHbox-N domain.

Cellular Location

Nucleus.

Goat Anti-Dachshund homolog 2 / DACH2 Antibody - 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](#)

Goat Anti-Dachshund homolog 2 / DACH2 Antibody - Images



AF1297a (0.03 µg/ml) staining of NIH3T3 cell lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Dachshund homolog 2 / DACH2 Antibody - Background

This gene is one of two genes which encode a protein similar to the *Drosophila* protein dachshund, a transcription factor involved in cell fate determination in the eye, limb and genital disc of the fly. The encoded protein contains two characteristic dachshund domains: an N-terminal domain responsible for DNA binding and a C-terminal domain responsible for protein-protein interactions. This gene is located on the X chromosome and is subject to inactivation by DNA methylation. The encoded protein may be involved in regulation of organogenesis and myogenesis, and may play a role in premature ovarian failure. Multiple transcript variants encoding different isoforms have been found for this gene.

Goat Anti-Dachshund homolog 2 / DACH2 Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the

Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.

New sequence variants associated with bone mineral density. Styrkarsdottir U, et al. Nat Genet, 2009 Jan. PMID 19079262.

Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.

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