

**Goat Anti-Dachshund homolog 1 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1296a****Specification**

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**Goat Anti-Dachshund homolog 1 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">O9UI36</a>
Other Accession	<a href="#">NP_004383</a> , <a href="#">1602</a> , <a href="#">13134 (mouse)</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	78562

**Goat Anti-Dachshund homolog 1 Antibody - Additional Information****Gene ID** 1602**Other Names**

Dachshund homolog 1, Dach1, DACH1, DACH

**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 1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-Dachshund homolog 1 Antibody - Protein Information****Name** DACH1**Synonyms** DACH**Function**

Transcription factor that is involved in regulation of organogenesis. Seems to be a regulator of SIX1, SIX6 and probably SIX5. Corepression of precursor cell proliferation in myoblasts by SIX1 is switched to coactivation through recruitment of EYA3 to the SIX1-DACH1 complex. Transcriptional activation also seems to involve association of CREBBP. Seems to act as a corepressor of SIX6 in regulating proliferation by directly repressing cyclin-dependent kinase inhibitors, including the p27Kip1 promoter (By similarity). Inhibits TGF-beta signaling through interaction with SMAD4 and NCOR1. Binds to chromatin DNA via its DACHbox-N domain (By similarity).

**Cellular Location**

Nucleus.

**Tissue Location**

Widely expressed. Isoform 2 is found in brain, heart, kidney, liver, leukocytes and spleen. Isoform 3 is found in liver and heart. Isoform 4 is found in spleen

**Goat Anti-Dachshund homolog 1 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 1 Antibody - Images**

AF1296a (0.1 µg/ml) staining of Human Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Goat Anti-Dachshund homolog 1 Antibody - Background**

This gene encodes a chromatin-associated protein that associates with other DNA-binding transcription factors to regulate gene expression and cell fate determination during development. The protein contains a Ski domain that is highly conserved from Drosophila to human. Expression of this gene is lost in some forms of metastatic cancer, and is correlated with poor prognosis. Multiple transcript variants encoding different isoforms have been found for this gene.

## **Goat Anti-Dachshund homolog 1 Antibody - References**

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-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.

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Attenuation of Forkhead signaling by the retinal determination factor DACH1. Zhou J, et al. Proc Natl Acad Sci U S A, 2010 Apr 13. PMID 20351289.

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