

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

Specification

Goat Anti-Dachshund homolog 1 Antibody - Product Information

Application	WB
Primary Accession	O9UI36
Other Accession	NP_004383 , 1602 , 13134 (mouse)
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

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 seems also 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

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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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