

DACH1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17662c**Specification**

DACH1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9UI36](#)**DACH1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1602**Other Names**

Dachshund homolog 1, Dach1, DACH1, DACH

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DACH1 Antibody (Center) Blocking Peptide - 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

DACH1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

DACH1 Antibody (Center) Blocking Peptide - Images

DACH1 Antibody (Center) Blocking Peptide - 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.

DACH1 Antibody (Center) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Kottgen, A., et al. Nat. Genet. 42(5):376-384(2010)Zhou, J., et al. Proc. Natl. Acad. Sci. U.S.A. 107(15):6864-6869(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)