

**Goat Anti-MEIS1 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1664a****Specification**

---

**Goat Anti-MEIS1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O00470</a>
Other Accession	<a href="#">NP_002389</a> , <a href="#">4211</a> , <a href="#">17268 (mouse)</a> , <a href="#">686117 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	43016

**Goat Anti-MEIS1 Antibody - Additional Information****Gene ID** 4211**Other Names**

Homeobox protein Meis1, MEIS1

**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-MEIS1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-MEIS1 Antibody - Protein Information****Name** MEIS1**Function**

Acts as a transcriptional regulator of PAX6. Acts as a transcriptional activator of PF4 in complex with PBX1 or PBX2. Required for hematopoiesis, megakaryocyte lineage development and vascular patterning. May function as a cofactor for HOXA7 and HOXA9 in the induction of myeloid leukemias.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

#### Tissue Location

Expressed at low level in normal immunohepatopoietic tissues, including the fetal liver. Expressed in a subset of myeloid leukemia cell lines, with the highest expression seen in those with a megakaryocytic-erythroid phenotype. Also expressed at high levels in the cerebellum

#### Goat Anti-MEIS1 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-MEIS1 Antibody - Images



AF1664a (0.1 µg/ml) staining of Human Cerebral Cortex lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### Goat Anti-MEIS1 Antibody - Background

Homeobox genes, of which the most well-characterized category is represented by the HOX genes, play a crucial role in normal development. In addition, several homeoproteins are involved in neoplasia. This gene encodes a homeobox protein belonging to the TALE ('three amino acid loop extension') family of homeodomain-containing proteins.

#### Goat Anti-MEIS1 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.  
Identification of E74-like factor 1 (ELF1) as a transcriptional regulator of the Hox cofactor MEIS1. Xiang P, et al. Exp Hematol, 2010 Sep. PMID 20600580.  
GSK-3 promotes conditional association of CREB and its coactivators with MEIS1 to facilitate HOX-mediated transcription and oncogenesis. Wang Z, et al. Cancer Cell, 2010 Jun 15. PMID 20541704.

Genotyping sleep disorders patients. Kripke DF, et al. Psychiatry Investig, 2010 Mar. PMID 20396431.

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.