

### **Goat Anti-Homeobox B13 Antibody**

Peptide-affinity purified goat antibody Catalog # AF1536a

### **Specification**

## Goat Anti-Homeobox B13 Antibody - Product Information

Application WB
Primary Accession 092826

Other Accession NP 006352, 10481

Reactivity
Host
Clonality
Concentration
Isotype
Human
Goat
Polyclonal
100ug/200ul
IgG

Calculated MW 30676

# Goat Anti-Homeobox B13 Antibody - Additional Information

#### **Gene ID** 10481

### **Other Names**

Homeobox protein Hox-B13, HOXB13

# **Format**

0.5 mg lgG/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-Homeobox B13 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Goat Anti-Homeobox B13 Antibody - Protein Information

### Name HOXB13

#### **Function**

Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Binds preferentially to methylated DNA (PubMed:<a href="http://www.uniprot.org/citations/28473536" target="\_blank">28473536</a>).

#### **Cellular Location**

Nucleus.



# Goat Anti-Homeobox B13 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **Goat Anti-Homeobox B13 Antibody - Images**



AF1536a (0.1  $\mu$ g/ml) staining of HeLa cell lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

# Goat Anti-Homeobox B13 Antibody - Background

This gene encodes a transcription factor that belongs to the homeobox gene family. Genes of this family are highly conserved among vertebrates and essential for vertebrate embryonic development. This gene has been implicated to play a role in fetal skin development and cutaneous regeneration. In mice, a similar gene was shown to exhibit temporal and spatial colinearity in the main body axis of the embryo, but was not expressed in the secondary axes, which suggests functions in body patterning along the axis. This gene and other HOXB genes form a gene cluster at chromosome the 17q21-22 region.

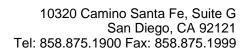
## Goat Anti-Homeobox B13 Antibody - References

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