

# **HOXC4 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54767

## **Specification**

# **HOXC4 Polyclonal Antibody - Product Information**

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>P09017</u>

Reactivity
Host
Clonality
Calculated MW
Rat, Dog, Bovine
Rabbit
Polyclonal
30 KDa

Calculated MW 30 KDa Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human HOXC4

Epitope Specificity 181-264/264

Isotype
Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus.

SIMILARITY Belongs to the Antp homeobox family.

**Deformed subfamily. Contains 1 homeobox** 

DNA-binding domain.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

### **Background Descriptions**

Homeobox (HOX) genes, which share a highly conserved 183-bp sequence, encode proteins capable of binding to specific DNA sequences and functioning as transcription factors. During embryogenesis, HOX genes play a critical role in the spatial and temporal differentiation of cells. HoxC4, a sequence-specific transcription factor, belongs to the Antp HOX family and localizes to the nucleus. It functions as a part of a developmental regulatory system, providing cells with specific positional identities on the anterior-posterior axis. HoxC4 expression levels increase with differentiation of lymphoid cells, suggesting its role in the molecular regulation of hematopoiesis. HoxC4 is also expressed in differentiated keratinocytes.

### **HOXC4 Polyclonal Antibody - Additional Information**

# **Gene ID 3221**

### Other Names

Homeobox protein Hox-C4, Homeobox protein CP19, Homeobox protein Hox-3E, HOXC4, HOX3E

#### **Dilution**

<span class ="dilution\_WB">WB $\sim$ 1:1000/span><br/>class ="dilution IHC-P">IHC-P $\sim$ N/A/span><br/>class



="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class ="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_E">E~~N/A</span>

### Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

# **HOXC4 Polyclonal Antibody - Protein Information**

Name HOXC4

**Synonyms** HOX3E

### **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.

**Cellular Location** 

Nucleus.

# **HOXC4 Polyclonal 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

# **HOXC4 Polyclonal Antibody - Images**