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Datasheet for ABIN5004820  
**anti-HOXC4 antibody (AA 181-264) (Alexa Fluor 680)**

### Overview

Quantity:	100 µL
Target:	HOXC4
Binding Specificity:	AA 181-264
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXC4 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HOXC4
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Horse, Rabbit, Zebrafish
Purification:	Purified by Protein A.

### Target Details

Target:	HOXC4
Alternative Name:	HOXC4 ( <a href="#">HOXC4 Products</a> )
Background:	Synonyms: CP 19, CP19, Homeo box 3E, Homeo box C4, Homeo box protein HoxC4, Homeobox

## Target Details

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3E, Homeobox C4, Homeobox protein CP19, Homeobox protein Hox C4, Homeobox protein Hox-3E, Homeobox protein Hox-C4, Homeobox protein HoxC4, Homeobox3E, HomeoboxC4, HOX 3, Hox 3E, HOX C4, HOX3, Hox3E, HOXC 4, Hoxc4, HXC4\_HUMAN.

Background: 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.

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Gene ID: 3221

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months