



Rabbit Anti-HOXC4 antibody

SL12196R

Product Name:	HOXC4
Chinese Name:	同源盒蛋白C4抗体
Alias:	CP 19; CP19; Homeo box 3E; Homeo box C4; Homeo box protein HoxC4; Homeobox 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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Zebrafish,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	30kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HOXC4:181-264/264
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

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.

Subcellular Location:

Nucleus.

Similarity:

Belongs to the Antp homeobox family. Deformed subfamily. Contains 1 homeobox DNA-binding domain.

SWISS:

P09017

Gene ID:

3221

Database links:

[Entrez Gene: 613740](#)Cow

[Entrez Gene: 3221](#)Human

[Entrez Gene: 15423](#)Mouse

[Entrez Gene: 24459](#)Rat

[Entrez Gene: 30345](#)Zebrafish

[Omim: 142974](#)Human

[SwissProt: P09017](#)Human

[SwissProt: Q08624](#)Mouse

[SwissProt: P18865](#)Rat

[SwissProt: Q9PWM3](#)Zebrafish

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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