



[Go to Product page](#)

Datasheet for ABIN2792661

anti-Homeobox C6 antibody (C-Term)

1 Image

Overview

Quantity:	100 µL
Target:	Homeobox C6 (HOXC6)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Homeobox C6 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human HOXC6
Sequence:	KIWFQNRMRK WKKESNLTST LSGGGGATA DSLGGKEEKR EETEEEKQKE
Cross-Reactivity:	Dog (Canine), Chicken, Human, Mouse (Murine), Rat (Rattus)
Predicted Reactivity:	Cow: 100%, Dog: 100%, Human: 100%, Mouse: 100%, Rabbit: 92%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HOXC6. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Homeobox C6 (HOXC6)
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Target Details

Alternative Name: HOXC6 / HOX3C ([HOXC6 Products](#))

Background: HOXC6 belongs to the homeobox family, members of which encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene, HOXC6, is one of several HOXC genes located in a cluster on chromosome 12. Three genes, HOXC5, HOXC4 and HOXC6, share a 5' non-coding exon. Transcripts may include the shared exon spliced to the gene-specific exons, or they may include only the gene-specific exons. Alternatively spliced transcript variants encoding different isoforms have been identified for HOXC6. Transcript variant two includes the shared exon, and transcript variant one includes only gene-specific exons. This gene belongs to the homeobox family, members of which encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene, HOXC6, is one of several HOXC genes located in a cluster on chromosome 12. Three genes, HOXC5, HOXC4 and HOXC6, share a 5' non-coding exon. Transcripts may include the shared exon spliced to the gene-specific exons, or they may include only the gene-specific exons. Alternatively spliced transcript variants encoding different isoforms have been identified for HOXC6. Transcript variant two includes the shared exon, and transcript variant one includes only gene-specific exons.

Alias Symbols: CP25, HHO.C8, HOX3, HOX3C

Protein Interaction Partner: UBC, APP, HMGB1,

Protein Size: 235

Molecular Weight: 27 kDa

Gene ID: 3223

NCBI Accession: [NM_004503](#), [NP_004494](#)

UniProt: [P09630](#)

Application Details

Application Notes: WB Suggested Anti-HOXC6 Antibody Titration: 0.2-1 µg/mL

ELISA Titer: 1:62500

Positive Control: DU145 cell lysate.

Optimal working dilutions should be determined experimentally by the investigator.

Application Details

Comment: Antigen size: 235 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

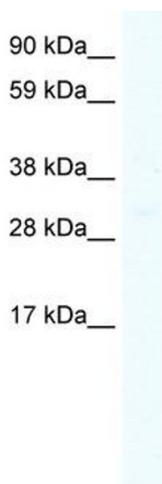
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-HOXC6 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: DU145 cell lysate