

Datasheet for ABIN2775771  
**anti-HOXB7 antibody (C-Term)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µL
Target:	HOXB7
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXB7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human HOXB7
Sequence:	IEIAHTLCLT ERQIKIWFQN RRMKWKKENK TAGPGTTGQD RAEAESEEEEE
Predicted Reactivity:	Cow: 100%, Dog: 77%, Horse: 79%, Human: 100%, Mouse: 92%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against HOXB7. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

## Target Details

Target:	HOXB7
Alternative Name:	HOXB7 ( <a href="#">HOXB7 Products</a> )

## Target Details

Background:	<p>HOXB7 belongs to the homeobox family. The homeobox genes 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. This gene is a member of the Antp homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded nuclear protein functions as a sequence-specific transcription factor that is involved in cell proliferation and differentiation. Increased expression of this gene is associated with some cases of melanoma and ovarian carcinoma.</p> <p>Alias Symbols: HHO.C1, HOX2, HOX2C, Hox-2.3</p> <p>Protein Interaction Partner: CLK3, IRAK3, APP, XRCC5, PRKDC, XRCC6, PARP1, CREBBP, GMNN, EP300, PKNX1, NFKBIA, HOXB6, CSNK2A1, PBX1,</p> <p>Protein Size: 217</p>
Molecular Weight:	24 kDa
Gene ID:	3217
NCBI Accession:	<a href="#">NM_004502</a> , <a href="#">NP_004493</a>
UniProt:	<a href="#">P09629</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 217 AA
Restrictions:	For Research Use only

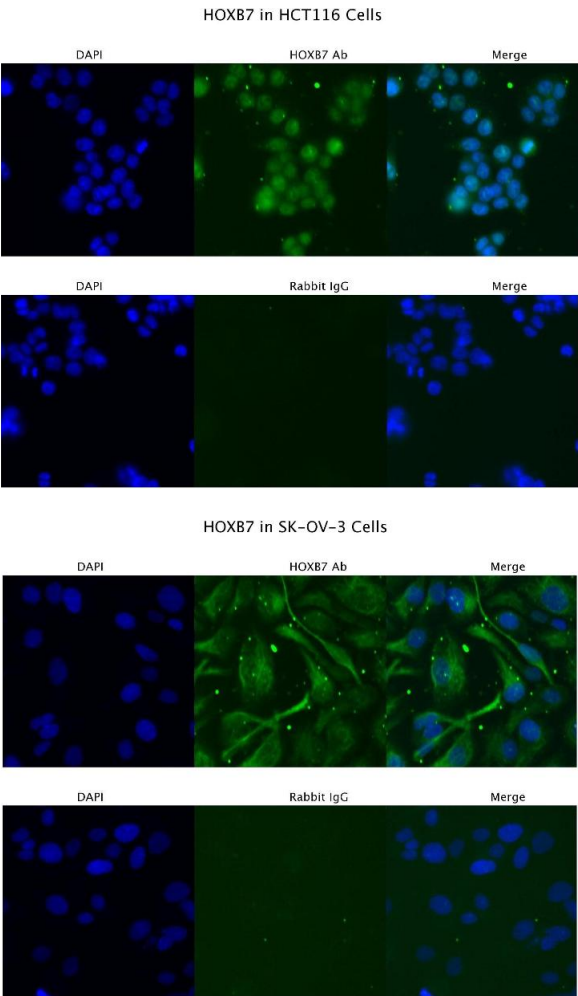
## Handling

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.

Handling

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



Immunofluorescence

**Image 1.** Sample Type : HCT116 Primary Antibody Dilution: 4 ug/ml Secondary Antibody : Anti-rabbit Alexa 546 Secondary Antibody Dilution: 2 ug/ml Gene Name : HOXB7

Immunofluorescence

**Image 2.** Sample Type : SKOV3 Primary Antibody Dilution: 4 ug/ml Secondary Antibody : Anti-rabbit Alexa 546 Secondary Antibody Dilution: 2 ug/ml Gene Name : HOXB7

Western Blotting

**Image 3.** WB Suggested Anti-HOXB7 Antibody Titration: 1.25ug/ml ELISA Titer: 1:62500 Positive Control: Transfected 293T

