

Datasheet for ABIN2781203  
**anti-HOXB8 antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	HOXB8
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Pig, Rabbit, Cow, Horse, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXB8 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HOXB8
Sequence:	MSSYFVNSLF SKYKTGESLR PNYDCGFAQ DLGGRPTVVY GPSSGGSFQH
Predicted Reactivity:	Cow: 79%, Dog: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 79%
Characteristics:	This is a rabbit polyclonal antibody against HOXB8. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	HOXB8
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## Target Details

Alternative Name:	HOXB8 ( <a href="#">HOXB8 Products</a> )
Background:	<p>HOXB8 is a member of the Antp homeobox family and is a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. HOXB8 functions as a sequence-specific transcription factor that is involved in development. Increased expression of this HOXB8 gene is associated with colorectal cancer. Mice that have had the murine ortholog of this gene knocked out exhibit an excessive pathologic grooming behavior. This behavior is similar to the behavior of humans suffering from the obsessive-compulsive spectrum disorder trichotillomania. This gene is a member of the Antp homeobox family and encodes a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in development. Increased expression of this gene is associated with colorectal cancer. Mice that have had the murine ortholog of this gene knocked out exhibit an excessive pathologic grooming behavior. This behavior is similar to the behavior of humans suffering from the obsessive-compulsive spectrum disorder trichotillomania.</p> <p>Alias Symbols: HOX2, HOX2D, Hox-2.4</p> <p>Protein Interaction Partner: PBX3, PBX2, PBX1, MEIS1,</p> <p>Protein Size: 243</p>
Molecular Weight:	28 kDa
Gene ID:	3218
NCBI Accession:	<a href="#">NM_024016</a> , <a href="#">NP_076921</a>
UniProt:	<a href="#">P17481</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 243 AA
Restrictions:	For Research Use only

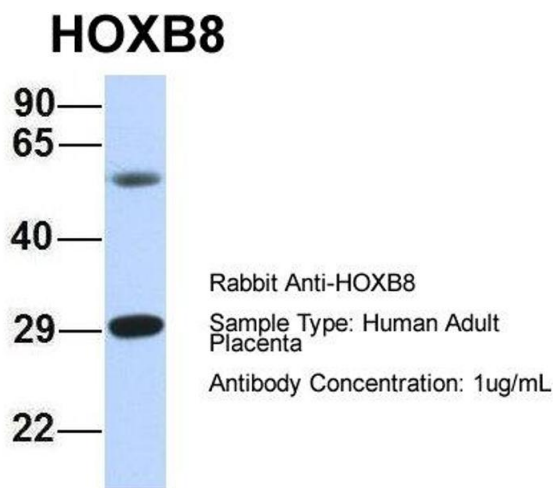
## Handling

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

Handling

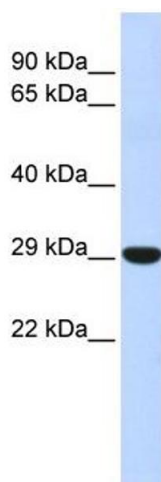
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

**Image 1.** Host: Rabbit Target Name: HOXB8 Sample Type: Human Adult Placenta Antibody Dilution: 1.0ug/ml



Western Blotting

**Image 2.** WB Suggested Anti-HOXB8 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Liver