

Datasheet for ABIN952780

## anti-HOXB9 antibody (Middle Region)



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### Overview

Quantity:	0.4 mL
Target:	HOXB9
Binding Specificity:	AA 147-176, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXB9 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

### Product Details

Immunogen:	KLH conjugated synthetic peptide between 147-176 amino acids from the Central region of Human HOXB9
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human HOXB9 / HOX2E (Center).
Purification:	Protein A column, followed by peptide affinity purification

### Target Details

Target:	HOXB9
Alternative Name:	HOXB9 / HOX2E ( <a href="#">HOXB9 Products</a> )
Background:	HOXB9 is a member of the Abd-B homeobox family and encodes a protein with a homeobox

## Target Details

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 leukemia, prostate cancer and lung cancer. Synonyms: Homeobox protein Hox-B9, Hox-2.5, Hox-2E

Molecular Weight: 28059 Da

Gene ID: 3219

NCBI Accession: [NP\\_076922](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

Preservative: Sodium azide

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

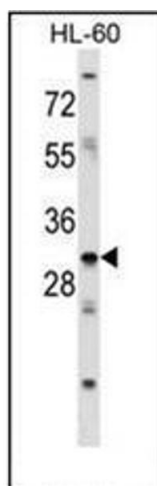
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

## Publications

Product cited in: Xie, Liu, Yu, Wu, Zhao, Hu, Wang: "Homeobox B9 facilitates hypertrophic scar formation via activating the mitogen-activated protein kinase signaling pathway." in: **Molecular medicine reports**, Vol. 16, Issue 2, pp. 1669-1676, (2018) ([PubMed](#)).



#### Western Blotting

**Image 1.** Western blot analysis of HOXB9 / HOX2E Antibody (Center) in HL-60 cell line lysates (35ug/lane). This demonstrates the HOXB9 antibody detected the HOXB9 protein (arrow).