

For Research Use Only

# HOXB5 Polyclonal antibody, PBS Only

Catalog Number: 31552-1-PBS



## Basic Information

**Catalog Number:**

31552-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG35933

**GenBank Accession Number:**

NM\_002147.3

**GeneID (NCBI):**

3215

**UNIPROT ID:**

P09067

**Full Name:**

homeobox B5

**Calculated MW:**

29kDa 269aa

**Observed MW:**

34 kDa

**Purification Method:**

Antigen affinity Purification

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

HOXB5 is a member of the Antp homeobox family. HOXB5 is expressed in various tissues, with biased expression in the kidney, colon, and other tissues. HOXB5 plays a crucial role in the development of the lung and gut. It is essential for the proper formation and differentiation of these organs during embryonic development. Hoxb5 exhibits preferential expression in hematopoietic stem cells (HSCs) and uniquely marks the long-term HSCs (LT-HSCs) (PMID: 38324932).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

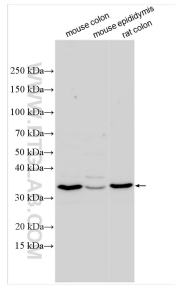
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31552-1-AP (HOXB5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31552-1-PBS in a different storage buffer formulation.