

For Research Use Only

HOXB5 Polyclonal antibody

Catalog Number: 31552-1-AP



Basic Information

Catalog Number:

31552-1-AP

Size:

150ul, Concentration: 550 ug/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

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse colon tissue, mouse epididymis tissue, rat colon

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

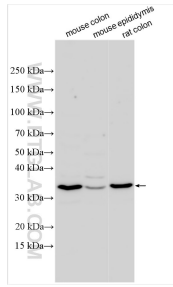
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.