

For Research Use Only

# HOXB6 Recombinant antibody

Catalog Number: 83155-4-RR



## Basic Information

Catalog Number:	83155-4-RR	GenBank Accession Number:	BC014651	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI):	3216	CloneNo.:	230433F10
Source:	Rabbit	UNIPROT ID:	P17509	Recommended Dilutions:	IF/ICC 1:150-1:600
Isotype:	IgG	Full Name:	homeobox B6		
Immunogen Catalog Number:	AG14189	Calculated MW:	224 aa, 25 kDa		

## Applications

Tested Applications:	IF/ICC, FC (Intra), ELISA	Positive Controls:	IF/ICC : HepG2 cells, A431 cells
Species Specificity:	human		

## Background Information

HOXB6 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 protein functions as a sequence-specific transcription factor that is involved in development, including that of lung and skin, and has been localized to both the nucleus and cytoplasm. Altered expression of this gene or a change in the subcellular localization of its protein is associated with some cases of acute myeloid leukemia and colorectal cancer.

## Storage

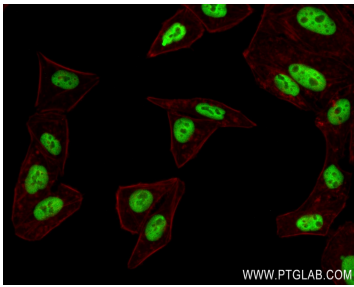
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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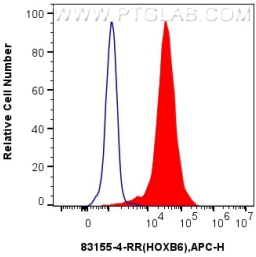
Selected Validation Data



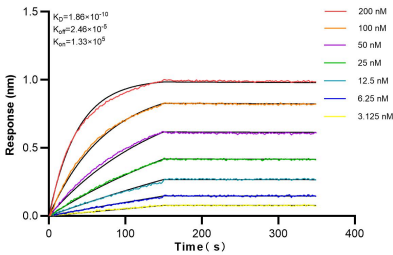
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HOXB6 antibody (83155-4-RR, Clone: 230433F10) at dilution of 1:300 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using HOXB6 antibody (83155-4-RR, Clone: 230433F10) at dilution of 1:300 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



1x10<sup>6</sup> K562 were intracellularly stained with 0.25 ug HOXB6 Recombinant antibody (83155-4-RR, Clone:230433F10) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Biolayer interferometry (BLI) kinetic assays of 83155-4-RR against Human HOXB6 were performed. The affinity constant is 0.186 nM.