

# HOXB6 Recombinant antibody

Catalog Number: 83155-4-RR

## Basic Information

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

## Applications

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

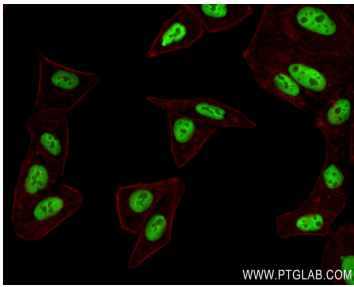
## Background Information

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.

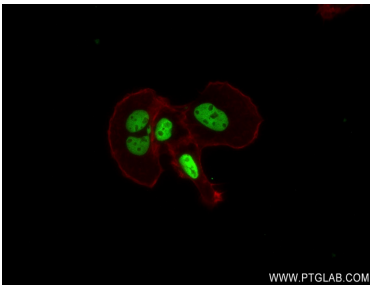
## Storage

**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**

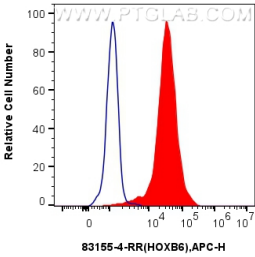
Selected Validation Data



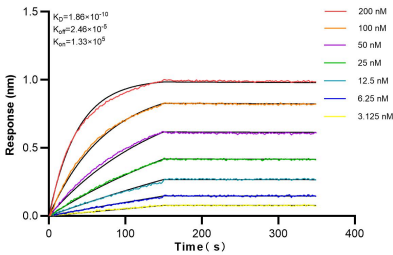
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HOXB6 antibody (83155-4-RR, Clone: 230433F10 ) at dilution of 1:300 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



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 AffiniPure 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 AffiniPure 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.