

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 µg/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

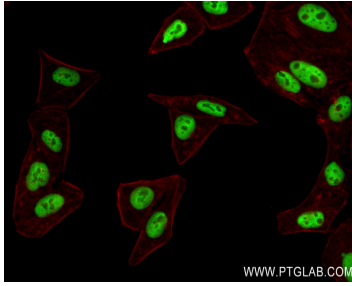
For technical support and original validation data for this product please contact:

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

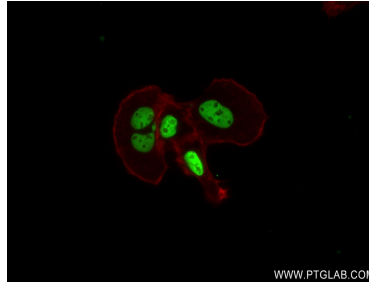
E: proteintech@ptglab.com
W: ptglab.com

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

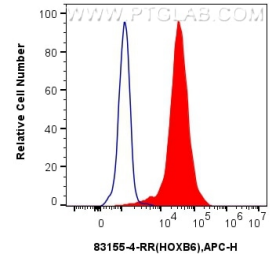
Selected Validation Data



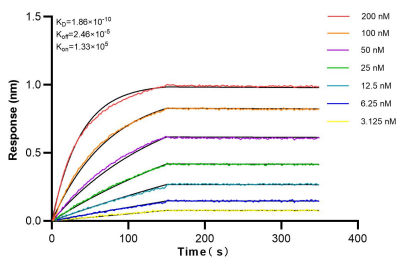
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HOXB6 antibody (83155-4-RR, Clone: 230433F10) at dilution of 1:300 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



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).



1x10⁶ 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.



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