

For Research Use Only

CBX1 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83248-1-PBS



Basic Information

Catalog Number: 83248-1-PBS	GenBank Accession Number: BC002609	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 10951	CloneNo.: 240075F7
Source: Rabbit	UNIPROT ID: P83916	
Isotype: IgG	Full Name: chromobox homolog 1 (HP1 beta homolog Drosophila)	
Immunogen Catalog Number: AG34901	Calculated MW: 27 kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

83248-1-PBS targets CBX1 as part of a matched antibody pair:

MP00224-1: 83248-1-PBS capture and 83248-2-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Storage

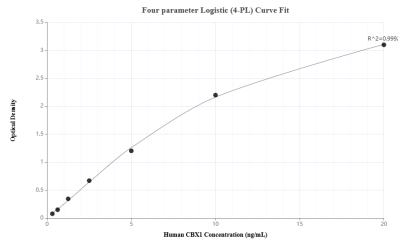
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

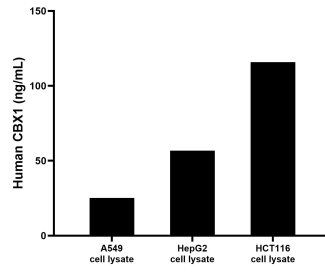
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

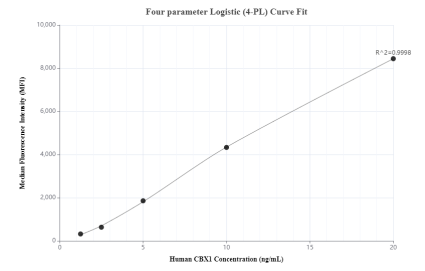
Selected Validation Data



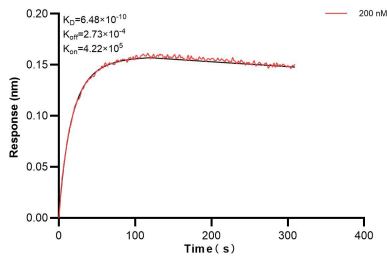
Sandwich ELISA standard curve of MP00224-1, Human CBX1 Recombinant Matched Antibody Pair - PBS only. 83248-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag34901. 83248-2-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL



A549, HepG2 and HCT116 cell lysates were measured. The human CBX1 concentration of detected samples was determined to be 25.23 ng/mL (based on a 1.0 mg/mL extract load) in A549 cell lysate, 56.68 ng/mL (based on a 1.2 mg/mL extract load) in HepG2 cell lysate and 115.85 ng/mL (based on a 2.0 mg/mL extract load) in HCT116 cell lysate.



Cytometric bead array standard curve of MP00224-1, CBX1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83248-1-PBS. Detection antibody: 83248-2-PBS. Standard: Ag34901. Range: 1.25-20 ng/mL



Biolayer interferometry (BLI) kinetic assay of 83248-1-PBS against Human CBX1 was performed. The affinity constant is 0.648 nM.