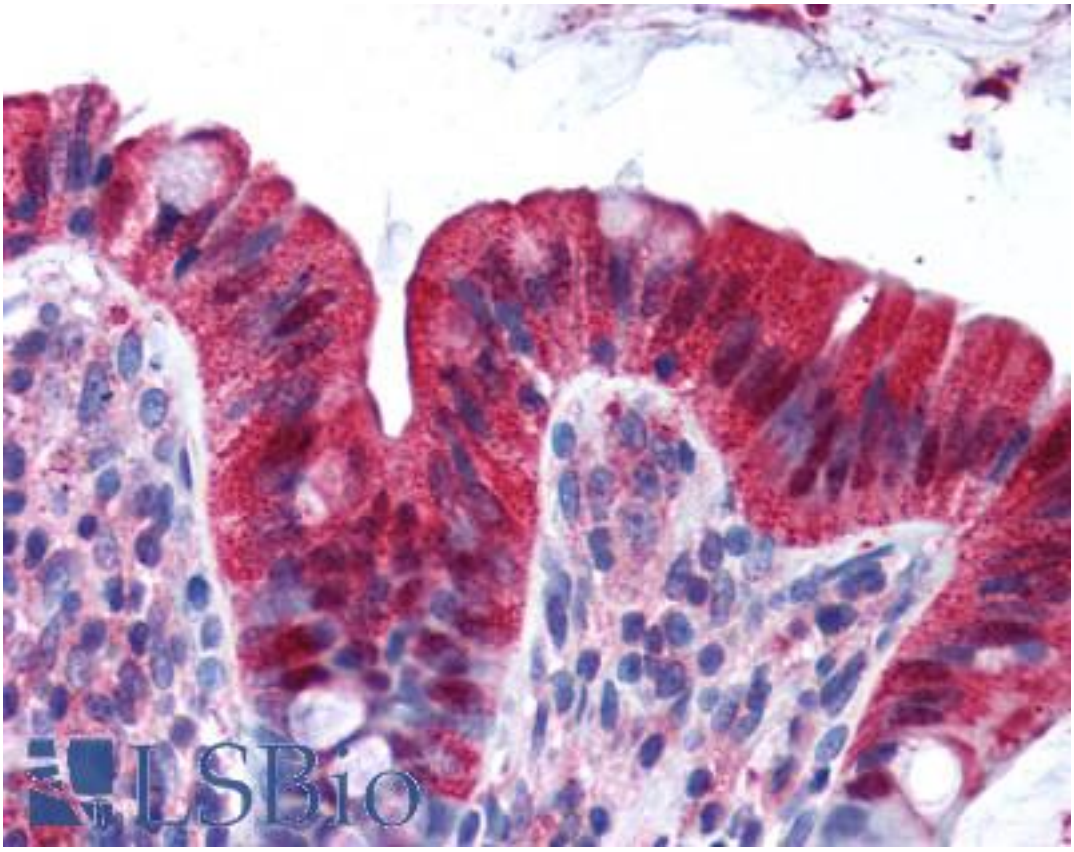
LSBio
LifeSpan BioSciences, Inc.

HPC2 / CBX4 Rabbit anti-Human Polyclonal (aa95-107) Antibody - LS-B128 - LSBio

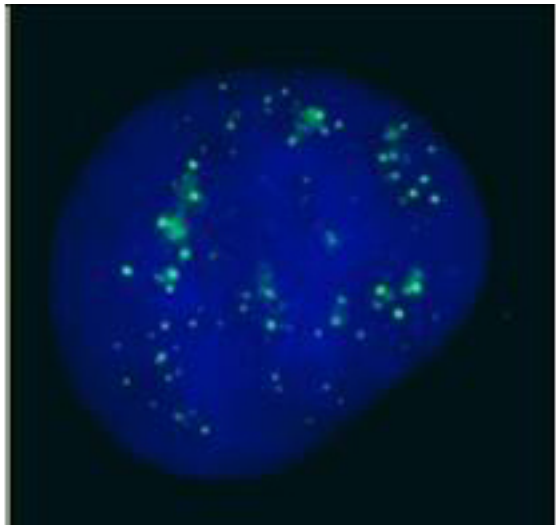
CatalogID:	LS-B128
Validation:	This antibody replaces catalog number LS-C18936. It has been validated for use in the following assays: IHC.
Target:	chromobox homolog 4 (CBX4)
Synonyms:	CBX4 Antibody, Chromobox homolog 4 Antibody, Chromobox protein homolog 4 Antibody, E3 SUMO-protein ligase CBX4 Antibody, NBP16 Antibody, NS5ATP1-binding protein 16 Antibody, HPC2 Antibody, Polycomb 2 homolog Antibody, PC2 Antibody, Pc class 2 homolog Antibody
Host	CBX4 antibody was produced in Rabbit
Clonality:	Polyclonal
Immunogen Species:	HPC2 / CBX4 antibody was raised against Human
Antigen Type:	Synthetic peptide
Immunogen:	HPC2 / CBX4 antibody was raised against synthetic peptide from human CBX4.
Specificity:	aa 95-107 of Human PC2 protein.
Epitope:	aa95-107
Reactivity:	Human
Purification:	Immunoaffinity purified
Presentation:	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
Recommended Storage:	+4°C or -20°C, Avoid repeated freezing and thawing.
Usage Summary:	Immunohistochemistry: LS-B128 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B128 was determined to be 2.5 ug/ml.
Uses:	IHC - Paraffin (2.5 µg/ml), Immunofluorescence (1:100 - 1:400), Western blot (1:1000 - 1:4000), ELISA (1:10000 - 1:40000) (Optimal dilution to be determined by the researcher)
Size:	50 µg
Concentration:	1 mg/ml

Immunohistochemistry Image:



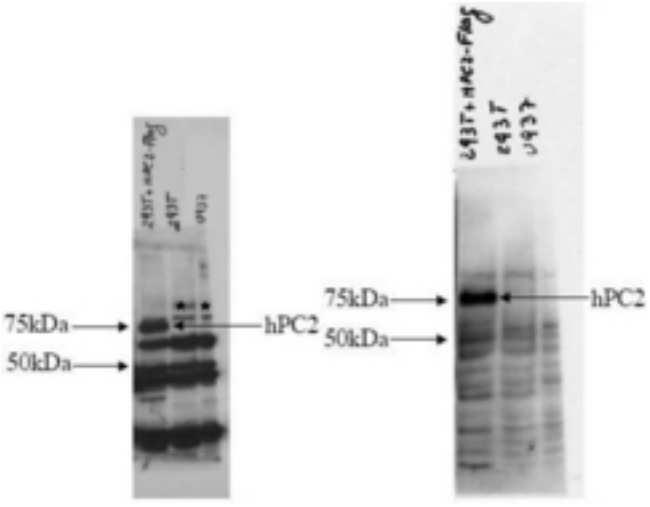
Anti-CBX4 antibody IHC of human colon. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B128 concentration 5 ug/ml.

Immunofluorescence Image:



Anti-hPC2 Antibody - Immunofluorescence Microscopy. anti-hPC2 antibody was used for immunofluorescent imaging of human cells (U2OS). The image reveals the expected discrete nuclear structure that is termed the PcG body corresponding to the known localization of PC2 (see Satijn et al. below). IF was performed after fixation in PBS with 4% PF for 5 min, permeabilization with 0.5% Triton X100-PBS for 5 min, and blocking with 5% milk / 0.2% Tween for 1 h. Primary antibody used at 1:200 in 5% milk / 0.2% Tween for 1 h, secondary antibody for 30 min. All blocking and incubation steps carried out at 37° C. Nuclei were counterstained with Hoechst stain (blue). Data contributed by Luke Hughes-Davies and Rhiannon Jade, Gurdon Institute, Cambridge, UK.

Western Blot Image:



Anti-hPC2 Antibody - Western Blot. Analysis shows the detection of human PC2 in probed lysates using Affinity Purified anti-hPC2 antibody.

Requested From:	Japan