

AP07245PII-N

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com

Polyclonal Antibody to CBX4 / PC2 (95-107) - Aff - Purified

OriGene Technologies GmbH

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info-de@origene.com

APU/245PU-N	Polycional Antibody to CBX4 / PC2 (95-107) - All - Purified
Alternate names:	Chromobox protein homolog 4, E3 SUMO-protein ligase CBX4, Polycomb 2 homolog
Quantity:	50 μg
Concentration: Background:	1.36 mg/ml PC2 is the human homolog of the Drosophila 'Polycomb' (Pc) protein which has been identified as a gene family member associated with a cellular memory system that is responsible for the inheritance of gene activity by progeny cells. The human Pc homolog gene is more closely related to a Xenopus Pc homolog, XPc, than to a previously described human Pc homolog, CBX2 (hPc1). However, the hPc2 and CBX2/hPc1 proteins are shown to colocalize in interphase nuclei of human U-2 OS osteosarcoma cells, suggesting that the proteins are part of a common protein complex. The human protein is believed to function as a repressor of proto-oncogene activity and that interference with hPc2 function can lead to derepression of proto- oncogene transcription and subsequently to cellular transformation. Other reports describe PC2 as a protein that has SUMO E3 activity for the corepressors CtBP and
Uniprot ID:	CtBP2. <u>000257</u>
NCBI:	<u>NP_003646.2</u>
GenelD:	<u>8535</u>
Host:	Rabbit
Immunogen:	Synthetic peptide from aa 95-107 of human CBX4
Format:	State: Liquid purified Ig Purification: Immunoaffinity Chromatography Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% (w/v) Sodium Azide
Applications:	ELISA: 1/10000 - 1/40000. Immunofluorescence: 1/100 - 1/400. Immunohistochemistry on Paraffin Sections: 2.5 μg/ml. Western Blot: 1/1000 - 1/4000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to aa 95-107 of PC2 protein.
Species Reactivity:	Tested: Human, Mouse
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

ORIGENE AP07245PU-N: Polyclonal Antibody to CBX4 / PC2 (95-107) - Aff - Purified

Pictures:

Colon: Formalin-Fixed Paraffin-Embedded (FFPE)



For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.