antibodies - online.com







anti-CBX3 antibody (Internal Region)



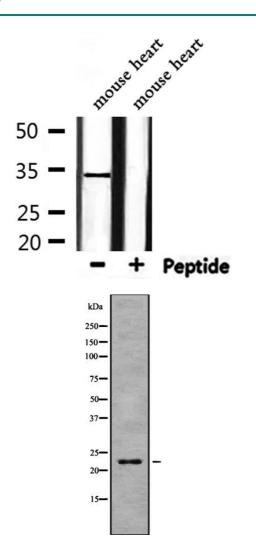
Images



Overview	
Quantity:	100 μL
Target:	CBX3
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBX3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
lmmunogen:	A synthesized peptide derived from human HP1 gamma, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	HP1 gamma Antibody detects endogenous levels of total HP1 gamma.
Predicted Reactivity:	Pig,Bovine,Horse,Rabbit,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).
Target Details	
Target:	CBX3

Target Details

Alternative Name:	CBX3 (CBX3 Products)
Background:	Description: Seems to be involved in transcriptional silencing in heterochromatin-like
	complexes. Recognizes and binds histone H3 tails methylated at 'Lys-9', leading to epigenetic
	repression. May contribute to the association of the heterochromatin with the inner nuclear
	membrane through its interaction with lamin B receptor (LBR). Involved in the formation of
	functional kinetochore through interaction with MIS12 complex proteins. Contributes to the
	conversion of local chromatin to a heterochromatin-like repressive state through H3 'Lys-9'
	trimethylation, mediates the recruitment of the methyltransferases SUV39H1 and/or SUV39H2
	by the PER complex to the E-box elements of the circadian target genes such as PER2 itself or
	PER1. Mediates the recruitement of NIPBL to sites of DNA damage at double-strand breaks
	(DSBs) (PubMed:28167679).
	Gene: CBX3
Molecular Weight:	22kDa
Gene ID:	11335
UniProt:	Q13185
Application Details	
Application Notes:	WB 1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %
	glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

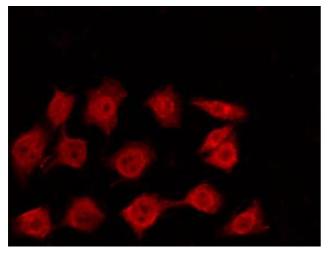


Western Blotting

Image 1. Western blot analysis of extracts from mouse heart, using HP1gamma Antibody.

Western Blotting

Image 2. Western blot analysis of HP1gamma using 293 whole cell lysates



Immunofluorescence (fixed cells)

Image 3. ABIN6272324 staining K562 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.