

Datasheet for ABIN729943
anti-CBX5 antibody (pTyr24)



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1 Publication

Overview

Quantity:	100 µL
Target:	CBX5
Binding Specificity:	pTyr24
Reactivity:	Human, Drosophila melanogaster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBX5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from Drosophila Melanogaster HP1 around the phosphorylation site of Tyr24
Isotype:	IgG
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Fruit Fly
Predicted Reactivity:	Drosophila
Purification:	Purified by Protein A.

Target Details

Target:	CBX5
Alternative Name:	HP1 (CBX5 Products)
Background:	<p>Synonyms: Heterochromatin protein 1, HP1, Non-histone chromosomal protein C1A9 antigen, CG8409</p> <p>Background: HP1 alpha is a component of heterochromatin. It recognizes and binds histone H3 tails methylated at Lys-9, leading to epigenetic repression. HP1 alpha may interact with lamin B receptor (LBR). This interaction can contribute to the association of the heterochromatin with the inner nuclear membrane. HP1 proteins are relatively small proteins (~25 kDa) with a conserved amino-terminal chromo domain and a structurally related carboxy-terminal motif, the chromo shadow domain. Both domains of HP1 are required for binding to native chromatin in vivo, but they contribute differentially to binding in euchromatin and heterochromatin.</p>
Gene ID:	34119

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Terzuoli, Meini, Cucchi, Catalani, Cialdai, Maggi, Giachetti, Ziche, Donnini: "Antagonism of bradykinin B2 receptor prevents inflammatory responses in human endothelial cells by quenching the NF-kB pathway activation." in: **PLoS ONE**, Vol. 9, Issue 1, pp. e84358, (2014) ([PubMed](#)).