

(KO Validated) CBX5 Polyclonal Antibody

Catalog Number:E-AB-64254



Note: Centrifuge before opening to ensure complete recovery of vial contents.

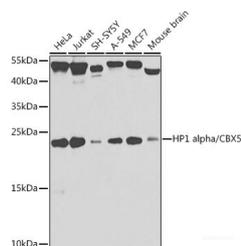
Description

Reactivity	Human,Mouse
Immunogen	Recombinant fusion protein of human CBX5
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Applications Recommended Dilution

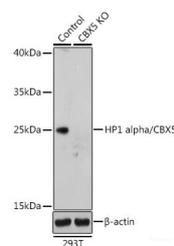
WB	1:500-1:2000
IF	1:50-1:200

Data

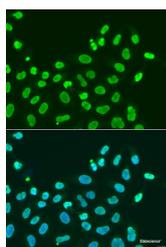


Western blot analysis of extracts of various cell lines using HP1 alpha/HP1 alpha/CBX5 Polyclonal Antibody at 1:1000 dilution.

Observed Mw:22kDa
Calculated Mw:22kDa



Western blot analysis of extracts from normal (control) and HP1 alpha/HP1 alpha/CBX5 antibody knockout (KO) 293T cells, using HP1 alpha/HP1 alpha/CBX5 antibody at 1:1000 dilution.



Immunofluorescence analysis of U2OS cells using HP1 alpha/HP1 alpha/CBX5 Polyclonal antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

This gene encodes a highly conserved nonhistone protein, which is a member of the heterochromatin protein family. The protein is enriched in the heterochromatin and associated with centromeres. The protein has a single N-terminal

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chromodomain which can bind to histone proteins via methylated lysine residues, and a C-terminal chromo shadow-domain (CSD) which is responsible for the homodimerization and interaction with a number of chromatin-associated nonhistone proteins. The encoded product is involved in the formation of functional kinetochore through interaction with essential kinetochore proteins. The gene has a pseudogene located on chromosome 3. Multiple alternatively spliced variants, encoding the same protein, have been identified.

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