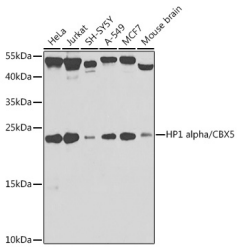
Tel:240-252-7368(USA)
Fax: 240-252-7376(USA)
techsupport@elabscience.com
Website: www.elabscience.com

(KO Validated) CBX5 Polyclonal Antibody

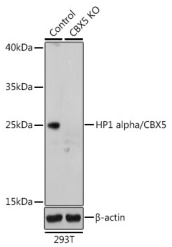
Catalog No.	E-AB-64254	**Reactivity**	H,M
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IF	**Isotype**	IgG

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

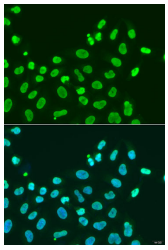
Images



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



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.

Immunogen Information

Immunogen	Recombinant fusion protein of human CBX5
GeneID	23468
Swissprot	P45973
Synonyms	CBX5,HEL25,HP1,HP1A

Product Information

Calculated MW	22kDa
Observed MW	22kDa
Buffer	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000,IF 1:50-1:200

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 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.