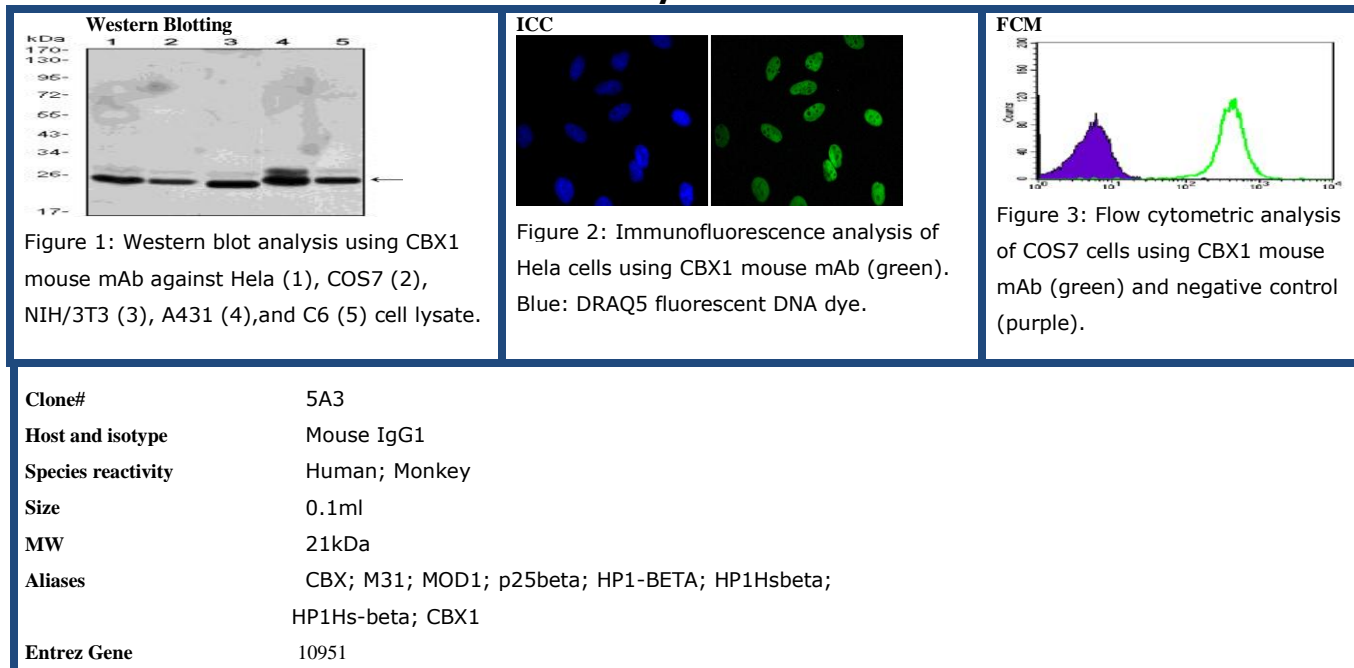




Category: Monoclonal Antibodies Cat. #: MAB-606020425
Product Name: Mouse Monoclonal Antibody to CBX1



Description

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 protein may play an important role in the epigenetic control of chromatin structure and gene expression. Several related pseudogenes are located on chromosomes 1, 3, and X. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Immunogen

Purified recombinant fragment of human CBX1 expressed in E. Coli.

Applications

Western Blotting: 1/500 - 1/2000.

Immunofluorescence: 1/200 - 1/1000.

Flow cytometry: 1/200 - 1/400.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

Formulation

Ascitic fluid containing 0.03% sodium azide.

Storage

Store at 4°C, for long term storage, store at -20°C.

Related product

References

1. Cell. 2003 Nov 26;115(5):523-35.
2. Cell. 2005 Sep 23;122(6):957-68.
3. Cell. 2006 Nov 3;127(3):635-48.

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