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Datasheet for ABIN6972178
anti-CBX1 antibody

Overview

Quantity:	100 µg
Target:	CBX1
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CBX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	This HP1β antibody was raised against recombinant mouse HP1β.
Clone:	1MOD-1A9
Isotype:	IgG1
Characteristics:	HP1 beta (Heterochromatin Protein 1 beta, Chromobox protein 1, CBX1) is one of the mammalian homologues of Drosophila HP1, first identified through its role in the maintenance of regions of the genome in a heterochromatic state. HP1 beta contains a chromo domain and a chromo shadow domain. Through the chromo domain, HP1 proteins are recruited to regions of chromatin that exhibit methylation of lysine 9 of histone H3. Interaction between HP1 beta and the lamin B receptor can facilitate the sequestration of heterochromatin to the nuclear envelope. HP1b antibody (mAb) (Clone 1MOD-1A9) was raised in a Mouse host. It has been validated for use in Immunocytochemistry, Immunofluorescence, Immunoprecipitation and Western blot, it has been shown to react with Human and Mouse samples.

Product Details

Purification: Protein A Chromatography

Target Details

Target: CBX1

Alternative Name: HP1beta ([CBX1 Products](#))

Molecular Weight: 25 kDa

NCBI Accession: [NP_006798](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: Purified IgG in 60 mM Sodium Citrate, 105 mM Tris-HCl, 30 % glycerol, and 0.035 % sodium azide.

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: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.