

Recombinant CBX2 Monoclonal Antibody

catalog number: AN301458L

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

Description

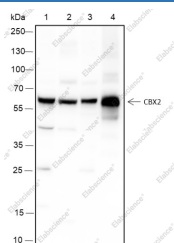
Reactivity	Human;Mouse;Rat
Immunogen	Synthetic peptide derived from the human CBX2 protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C131081
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:500-1:1000
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Data



Western Blot with CBX2 Monoclonal Antibody at dilution of 1:1000. Lane 1: HT-29, Lane 2: F9, Lane 3: A431, Lane 4: Rat brain

Observed-MW:25 kDa

Calculated-MW:25 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Binds to histone H3 trimethylated at 'Lys-9' (H3K9me3) or at 'Lys-27' (H3K27me3). Plays a role in the lineage differentiation of the germ layers in embryonic development. Involved in sexual development, acting as activator of NR5A1 expression.

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