

Mouse Chromobox Homolog 3 (CBX3) ELISA Kit | CBX3 elisa kit

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CATALOG #
AAA64159

REACTIVITY
Mouse

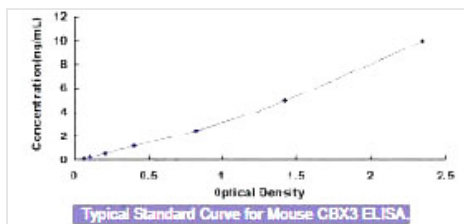
PRODUCT SYNONYMS

Chromobox Homolog 3 (CBX3); Mouse Chromobox Homolog 3 (CBX3) ELISA Kit; HECH; HP1-GAMMA; HP1Hs-Gamma; HP1 Gamma Homolog; Drosophila; Heterochromatin protein 1 homolog gamma; Modifier 2 protein; CBX3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CBX3. No significant cross-reactivity or interference between CBX3 and analogues was observed.
Sequence Length	183
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.046ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CBX3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CBX3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CBX3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CBX3 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CBX3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CBX3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CBX3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CBX3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21903394
NCBI GeneID	12417
UniProt Accession #	P23198; Q921C4
Molecular Weight	20,855 Da
NCBI Official Full Name	Chromobox protein homolog 3
NCBI Official Synonym Full Names	chromobox 3
NCBI Official Symbol	Cbx3
NCBI Official Synonym Symbols	M32; HP1g
NCBI Protein Information	chromobox protein homolog 3
UniProt Protein Name	Chromobox protein homolog 3
UniProt Gene Name	Cbx3
UniProt Synonym Gene Names	HP1 gamma

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.