Datasheet for ABIN2452035

anti-CBX3 antibody (C-Term)

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Overview

Quantity:	50 µg
Target:	CBX3
Binding Specificity:	C-Term
Reactivity:	Human, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Isotype:	IgG
Cross-Reactivity (Details):	Expected to react with chicken, Xenopus, Drosophila, and zebra fish orthologs due to the sequence identity of the immunogen.
Characteristics:	The product is prepared by immunizing rabbit with the synthetic peptide WHSCPEDEAQ-C corresponding to the C-terminal sequence of human HP1γ and purified by affinity purification with the peptide. The antiserum preparation has been directed by Prof. T. Haraguchi.
Purification:	Affinity purified
Sterility:	Sterile filtered

Target Details

Target:	CBX3
Alternative Name:	HP1gamma/CBX3 (CBX3 Products)

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Target Details

Background:	Heterochromatin protein 1 (HP1) is a major component of heterochromatin which plays a role in assembly of various proteins on chromatin and gene silencing. The HP1 family is evolutionally conserved, with members in fungi, plants and animals but not prokaryotes, and there are multiple members within the same species. The HP1 family proteins are encoded by a class of genes known as the chromobox (CBX) genes. In humans, HP1γ is encoded by the Chromobox homolog 3 (CBX3) gene. HP1γ has been observed to interact directly or indirectly with several non-histone proteins with a wide variety of functions.
UniProt:	Q13185

Application Details

Application Notes:	1) Western blotting: 1/2,000~1/10,000 2) Immunofluorescence staining 3) Chromatin immunoprecipitation (ChIP)
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.75 mg/mL
Buffer:	0.12 M sodium phosphate buffer (pH 7.4), 50 % glycerol
Preservative:	Azide free
Storage:	-20 °C/-80 °C
Storage Comment:	-20 C (For long term storage: -70 C)

Publications

Product cited in:	Lomberk, Wallrath, Urrutia: "The Heterochromatin Protein 1 family." in: **Genome biology**, Vol. 7, Issue 7, pp. 228, (2007) (PubMed). Wang, Koyama, Nishida, Haraguchi, Reith, Tsukamoto: "The assembly and maintenance of heterochromatin initiated by transgene repeats are independent of the RNA interference pathway in mammalian cells." in: **Molecular and cellular biology**, Vol. 26, Issue 11, pp. 4028-40, (2006) (PubMed).

Publications

Kametaka, Takagi, Hayakawa, Haraguchi, Hiraoka, Yoneda: "Interaction of the chromatin compaction-inducing domain (LR domain) of Ki-67 antigen with HP1 proteins." in: **Genes to cells : devoted to molecular & cellular mechanisms**, Vol. 7, Issue 12, pp. 1231-42, (2002) (PubMed).

Images

Immunofluorescence

Image 1.

Western Blotting

Image 2.

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