

# Anti-CBX1 Recombinant Human Biotinylated Fab

Store at 2°C to 8°C (short-term), or -20°C (long-term)

Catalog Number 730094

Pub. No. MAN0007546 Rev. 1.00

<b>Clonality:</b> Monoclonal	<b>Quantity:</b> 100 µg	<b>Volume:</b> 200 µL	<b>Concentration:</b> 0.5 mg/mL
<b>Host/Class:</b> Mouse IgG (Fab)	<b>Reactivity:</b> Human CBX1	<b>Predicted Reactivity:</b> Human	

## Product Description

CBX1 (Chromobox protein homolog 1) is component of heterochromatin. It recognizes and binds histone H3 tails methylated at the Lys-9 residue, leading to epigenetic repression. It has dual binding domains that allows it to bind heterochromatin to the inner nuclear membrane through the lamin B receptor.

This product consists of purified Fab fragments which do not have an Fc domain that can be used for detection by secondary reagents. To enable simple and robust detection, the Fab fragments are specifically biotinylated on the C-terminus of the heavy chain. The extremely strong and specific interaction between biotin and streptavidin enables any streptavidin-conjugated secondary reagent to be used for detection.

This antibody was developed against a fully folded protein domain, so it does not show good reactivity against denatured proteins, and may not work in western blot applications.

## Product Specifications

<b>Immunogen:</b>	Folded protein domain corresponding to amino acids of Human CBX1
<b>Apparent MW:</b>	21.5 kDa
<b>Gene ID:</b>	10951
<b>Protein Accession No.:</b>	P83916
<b>Sequence Identity:</b>	Human
<b>Isotype:</b>	IgG <sub>1</sub>
<b>Lot:</b>	See product label

## Product Applications

Application	Species	Test Material	Concentration
Immunoprecipitation + Mass Spectrometry	Human	HEK293 cells	2 µg per IP

## Storage and handling

Store the antibody at 2°C to 8°C for up to 1 month, or -20°C for long storage. Avoid repeated freezing and thawing.

## Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

## Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.



**CAUTION!** Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

## Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheet (SDS), visit <http://www.lifetechnologies.com/support>.








## Related Products

Product Name	Quantity	Catalog No.
iBlot <sup>®</sup> Dry Blotting System	1 unit	IB1001
WesternBreeze <sup>®</sup> Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze <sup>®</sup> Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Streptavidin Agarose	5 mL	SA10004

## Limited product warranty

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## Explanation of Symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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