

Anti-EP300 Recombinant Human Biotinylated Fab

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Rev. 1.00

Catalog Number: 730044

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

Clonality:	Monoclonal	Host/Class:	Mouse IgG1 (Fab)
Concentration:	0.5 mg/mL	Reactivity:	Human EP300
Quantity:	100 µg	Predicted Reactivity:	Human
Volume:	200 µL		

Product Description

The E1A binding protein p300 (EP300) is an E1A-associated transcriptional coactivator protein that regulates cell proliferation and differentiation. It functions as histone acetyltransferase that regulates transcription through chromatin remodeling. EP300 mediates cAMP-dependent gene regulation by binding to phosphorylated CREB protein. It is also a coactivator of HIF1A (hypoxia-inducible factor 1 alpha), playing a role in the expression of hypoxia-induced genes.

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

Immunogen:	Folded protein domain corresponding to amino acids 1038–1161, (Bromodomain) of human EP300
Alternate Names:	P300
Apparent MW:	264.1 kDa
Gene ID:	2033
Protein Accession No.:	Q09472
Sequence Identity:	Human
Lot:	See product label

Product Applications

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

Storage and Handling

Store the antibody at 2°C to 8°C for up to 1 month, -20°C for long-term 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 Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at www.lifetechnologies.com/support.

For research use only. Not for human or animal therapeutic or diagnostic use.

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




Product Documentation

To obtain a Certificate of Analysis or SDSs, visit www.lifetechnologies.com/support.

Related Products

Product Name	Quantity	Catalog no.
iBlot [®] Dry Blotting System	1 unit	IB1001
WesternBreeze [®] Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze [®] Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Streptavidin Agarose	5 mL	SA10004
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

Limited Product Warranty

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