

# CTCF Recombinant Monoclonal Antibody [BLR041F]

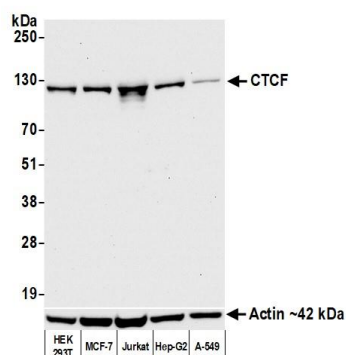
## Rabbit Recombinant Monoclonal

Purified		RefSeq ID	NP_006556.1
Catalog No.	A700-041	Uniprot ID	P49711
Lot No.	A700-041-3	GeneID	10664

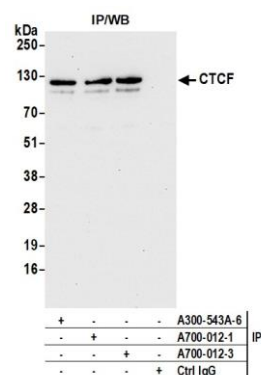
---

<b>APPLICATIONS</b>	WB, IP, IHC, ICC
<b>SPECIES REACTIVITY</b>	Human, Mouse
<b>AMOUNT</b>	100 µl (10 blots)
<b>CONCENTRATION</b>	100 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8°C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>CLONE #</b>	BLR041F
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Recombinant antibody was purified from cell culture supernatant.  Immunogen was a peptide representing a region between residue 650 to 700 of human CCCTC-binding factor using the numbering given in entry NP_006556.1 (Gene ID 10664).
<b>APPLICATIONS</b>	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.  Western Blot                      1:1000  Immunoprecipitation            20 ul/1mg lysate  Immunohistochemistry        1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.  Immunocytochemistry        1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.
<b>IHC HUMAN CONTROLS</b>	Breast Carcinoma, Colon Carcinoma, Lung Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Renal Cell Carcinoma, Tonsil, HCT 116 Cells, MCF-7 Cells
<b>IHC MOUSE CONTROLS</b>	Spleen, RenCa Cells
<b>ADDITIONAL INFO</b>	<a href="https://www.fortislife.com/p/A700-041">https://www.fortislife.com/p/A700-041</a> Use the link above to view SDS, a current list of citations, and other product specific information.

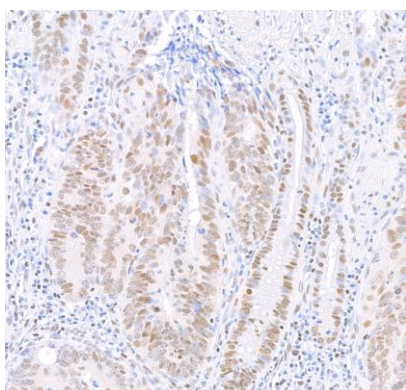
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD Date: August 25, 2022



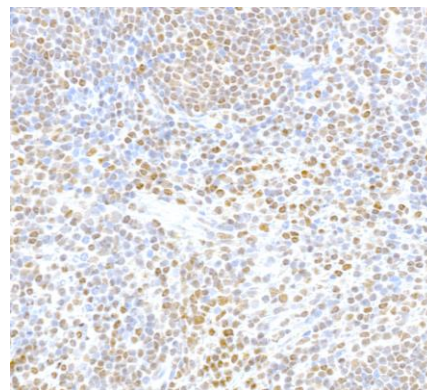
**Detection of human CTCF by western blot.** *Samples:* Whole cell lysate (50  $\mu$ g) from HEK293T, MCF-7, Jurkat, Hep-G2, and A-549 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-CTCF recombinant monoclonal antibody [BL-395-3B3] (A700-041 lot 3) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 10 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody [BLR057F] (A700-057).



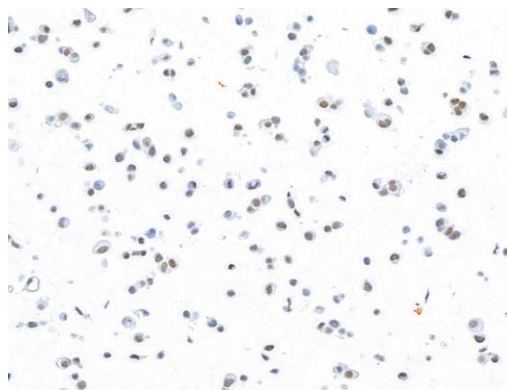
**Detection of human CTCF by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. *Antibodies:* Rabbit anti-CTCF recombinant monoclonal antibody [BL-395-3B3] (A700-041 lot 3) used for IP at 20  $\mu$ l/mg lysate. CTCF was also immunoprecipitated by a previous lot of this antibody (A700-041 lot 1) and rabbit anti-CTCF antibody A300-543A. For blotting immunoprecipitated CTCF, A700-041 was used at 1:1000. Chemiluminescence with an exposure time of 3 seconds.



**Detection of human CTCF by immunohistochemistry.** *Sample:* FFPE section of human colon carcinoma. *Antibody:* Rabbit anti-CTCF recombinant monoclonal antibody [BLR041F] (A700-041 lot 3). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).



**Detection of mouse CTCF by immunohistochemistry.** *Sample:* FFPE section of mouse spleen. *Antibody:* Rabbit anti-CTCF recombinant monoclonal antibody [BLR041F] (A700-041 lot 3). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).

**Detection of human CTCF by immunocytochemistry.**

*Sample:* FFPE section of MCF-7 cells. *Antibody:* Rabbit anti-CTCF recombinant monoclonal antibody [BLR041F] (A700-041 lot 3). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).