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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CTCF Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_006556.1

Catalog No. A300-543A

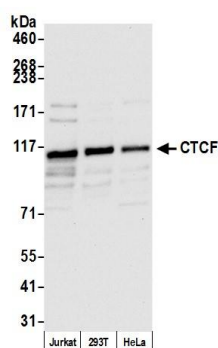
GeneID 10664

Lot No. A300-543A-6

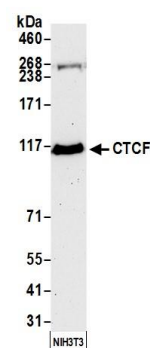


APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat
AMOUNT	100 µl
CONCENTRATION	200 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	<p>Antibody was affinity purified using an epitope specific to CTCF immobilized on solid support.</p> <p>The epitope recognized by A300-543A maps to a region between residues 650 and 700 of human CCCTC-binding factor using the numbering given in entry NP_006556.1 (GeneID 10664).</p> <p>Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>
APPLICATIONS	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <p>Western Blot 1:2,000 - 1:10,000</p> <p>Immunoprecipitation 2 - 10 µg/mg lysate</p> <p>Immunohistochemistry 1:500 to 1:2,000. Epitope retrieval with Tris-EDTA pH9.0 is recommended for FFPE tissue sections.</p>
APPLICATION NOTES	<p>Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.</p>
IHC HUMAN CONTROLS	Breast Carcinoma, Lung, Ovarian Carcinoma, Small Cell Lung Cancer, Stomach Adenocarcinoma
IHC MOUSE CONTROLS	Renal Cell Carcinoma
ADDITIONAL INFO	<p>https://www.bethyl.com/product/A300-543A</p> <p>Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB</p>

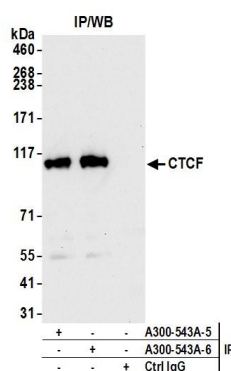
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 24, 2019



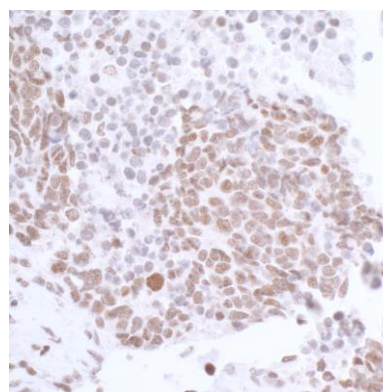
Detection of human CTCF by western blot. *Samples:* Whole cell lysate (50 μ g) from Jurkat, HEK293T, and HeLa cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-CTCF antibody A300-543A (lot A300-543A-6) used for WB at 0.02 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



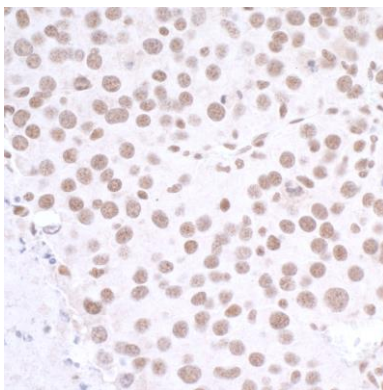
Detection of mouse CTCF by western blot. *Samples:* Whole cell lysate (50 μ g) from NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-CTCF antibody A300-543A (lot A300-543A-6) used for WB at 0.02 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 75 seconds.



Detection of human CTCF by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-CTCF antibody A300-543A (lot A300-543A-6) used for IP at 6 μ g per reaction. CTCF was also immunoprecipitated by a previous lot of this antibody (lot A300-543A-5). For blotting immunoprecipitated CTCF, A300-543A was used at 0.02 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of human CTCF by immunohistochemistry. *Sample:* FFPE section of human small cell lung cancer. *Antibody:* Affinity purified rabbit anti-CTCF antibody (A300-543A lot 6) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).



Detection of mouse CTCF by immunohistochemistry.

Sample: FFPE section of mouse renal cell carcinoma.

Antibody: Affinity purified rabbit anti-CTCF antibody (A300-543A lot 6) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).