

CTCF recombinant antibody

Rabbit anti-CTCF Recombinant Monoclonal Antibody [BLR041F]

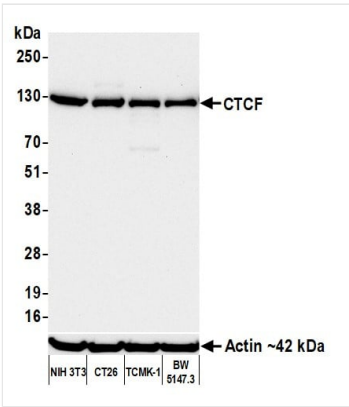
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23809	Rabbit	Human, Mouse	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

CTCF; Monoclonal Recombinant Antibody; Rabbit anti-CTCF Recombinant Monoclonal Antibody [BLR041F]; CTCFL paralogs; MRD21; CCCTC-binding factor (zinc finger protein); CCCTC-binding factor; 11-zinc finger protein; 11 zinc finger transcriptional repressor; transcriptional repressor CTCF; Transcriptional repressor CTCF; CTCF recombinant antibody

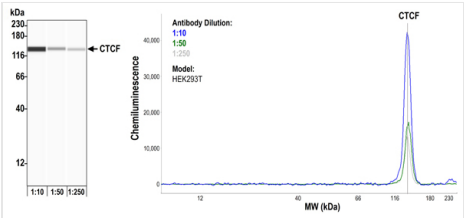
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	BLR041F
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	100ug/ml (varies by lot)
Applicable Applications for CTCF recombinant antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot)
Application Notes	WB: 1:1000 IP: 20 ul/mg lysate IHC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. ICC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections. FC/FACS: Fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 ul per 1 x 10 ⁶ cells.
Immunogen	Between 677 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



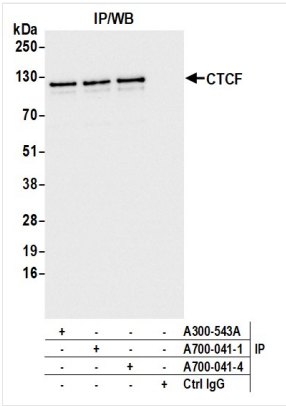
WB (Western Blot)

Detection of mouse CTCF by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3, CT26, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CTCF recombinant monoclonal antibody [BL-395-3B3] (AAA23809 lot 4) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



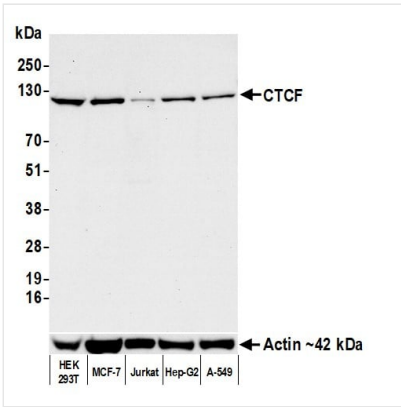
Simple Western

Detection of human CTCF by Simple Western. Samples: Whole cell lysate (0.08 mg/mL) from HEK293T cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CTCF recombinant monoclonal antibody (AAA23809) used at 1:10, 1:50, and 1:250. Separation and Detection: SallySue ProteinSimple instrument with the 12-230 kDa separation module and anti-Rabbit detection module. Left Panel: Virtual Lane View. Right Panel: Electropherogram.



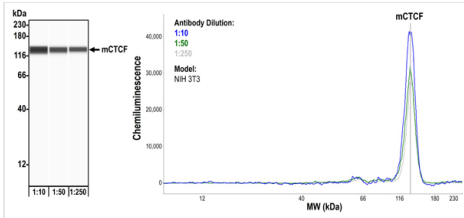
IP (Immunoprecipitation)

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] (AAA23809 lot 4) used for IP at 20 ul/mg lysate. CTCF was also immunoprecipitated by a previous lot of this antibody (AAA23809 lot 1) and a second antibody against CTCF . For blotting immunoprecipitated CTCF, AAA23809 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 1 second.



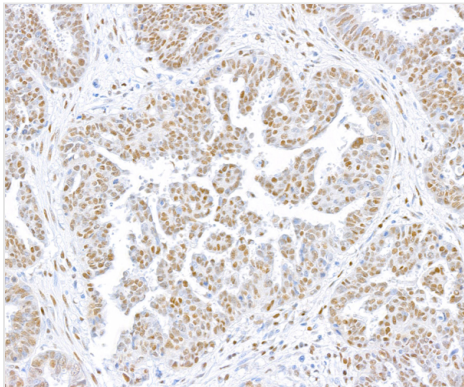
WB (Western Blot)

Detection of human CTCF by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, MCF-7, Jurkat (10 ug), Hep-G2, and A-549 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CTCF recombinant monoclonal antibody [BL-395-3B3] (AAA23809 lot 4) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



SWB (Simple Western)

Detection of mouse CTCF by Simple Western. Samples: Whole cell lysate (2.0 mg/mL) from NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CTCF recombinant monoclonal antibody (AAA23809) used at 1:10, 1:50, and 1:250. Separation and Detection: SallySue ProteinSimple instrument with the 12-230 kDa separation module and anti-Rabbit detection module. Left Panel: Virtual Lane View. Right Panel: Electropherogram.



IHC (Immunohistochemistry)

Detection of human CTCF by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Rabbit anti-CTCF recombinant monoclonal antibody (AAA23809-4). Secondary: HRP-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for CTCF recombinant antibody

CTCF is a versatile 11-Zn-finger transcription factor that may function as a repressor of transcription, activator transcription, or regulator of genomic imprinting. CTCF is a candidate tumor suppressor associated with invasive breast cancer, prostate cancer, and Wilm's tumor.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729790
NCBI GeneID	10664
NCBI Accession #	NP_006556.1
NCBI GenBank Nucleotide #	NM_006565.3
UniProt Accession #	P49711; Q53XI7; Q59EL8; B5MC38
Molecular Weight	45,998 Da
NCBI Official Full Name	transcriptional repressor CTCF isoform 1
NCBI Official Synonym Full Names	CCCTC-binding factor (zinc finger protein)
NCBI Official Symbol	CTCF
NCBI Official Synonym Symbols	MRD21
NCBI Protein Information	transcriptional repressor CTCF; CTCFL paralog; 11-zinc finger protein; 11 zinc finger transcriptional repressor
UniProt Protein Name	Transcriptional repressor CTCF
UniProt Gene Name	CTCF
UniProt Entry Name	CTCF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ctcf-recombinant-antibody-clone-blr041f-western-blot-immunoprecipitation-immunohistochemistry-immunocytochemistry-flow-cytometry-western-blot-elisa/23809>