CTCF(K344E)

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Cat. #: 26324
Gene Symbol: CTCF; MRD21
Description: Anti-CTCF(K344E) Mouse Monoclonal Antibody
Background: Transcriptional repressor CTCF also known as 11-zinc finger protein or CCCTC-binding factor is a transcription factor that in humans is encoded by the CTCF gene. CTCF is involved in many cellular processes, including transcriptional regulation, insulator activity, recombination and regulation of chromatin architecture.
Immunogen: A synthetic peptide from the internal region of CTCF which includes the mutation of K344E, human origin.
Applications: ELISA, WB, IHC
Recommended Dilutions:
ELISA: 1:1000-1:5000
WB: 1:500-1:1000
IHC: 1:50-1:100
Concentration: 1 mg/ml
Host Species: Mouse
Format: Liquid
Clonality: Monoclonal
Isotype: IgG
Purity: Purified from ascites
Preservative: No
Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 50% glycerol
Species Reactivity: Recognizes K344E mutant, but not wild type CTCF of vertebrates.
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing

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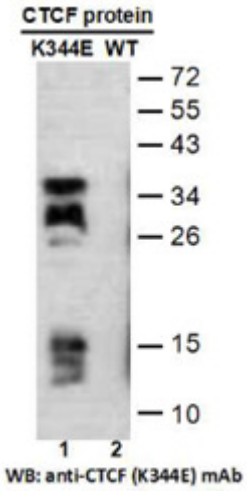
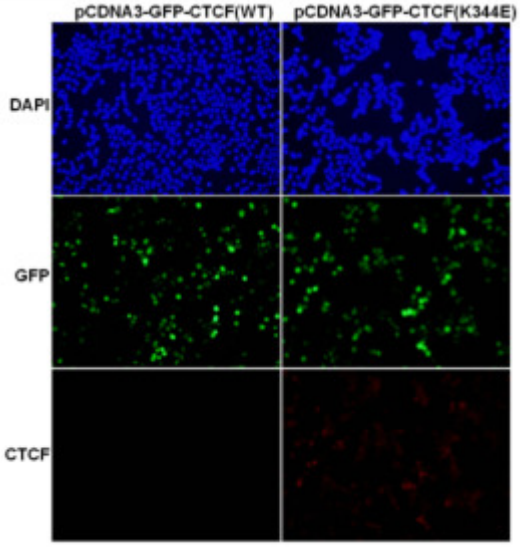
Western blot:



Western blot analysis of recombinant CTCF (K344E) and wild type proteins.
Purified His-tagged CTCF (K344E) protein (lane 1) and corresponding wild type protein (lane 2) were blotted with Anti-CTCF(K344E) monoclonal antibody (Cat. #26324).

Immunofluorescence:



Immunofluorescence of cells expressing CTCF proteins with Anti-CTCF(K344E) antibody.
HEK293T cells were transfected with pCDNA3-GFP-CTCF (WT) plasmid (left column) or pCDNA3-GFP-CTCF (K344E) plasmid (right column), then fixed and stained with Anti-CTCF(K344E) monoclonal antibody (Cat. #26324).

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