

## 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

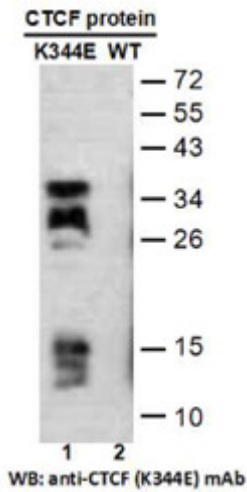
**Preservative:** No

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), 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

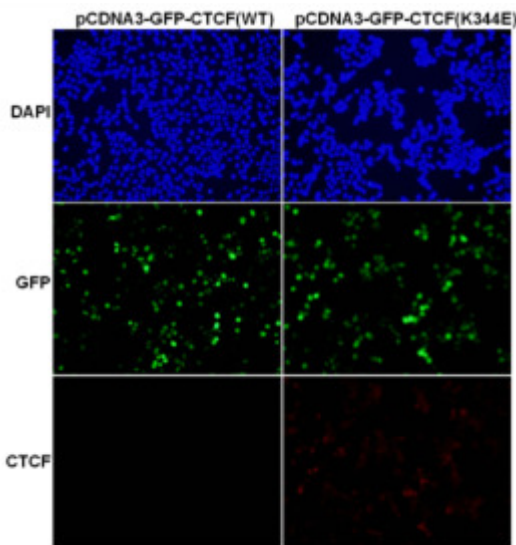
## Western blot:



## 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).