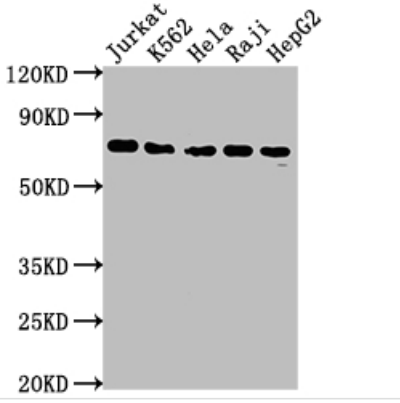
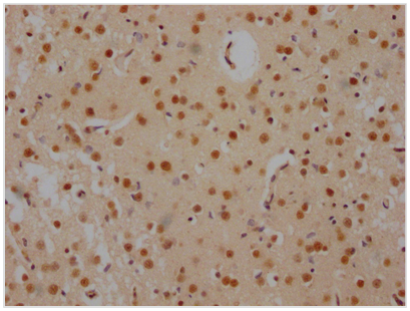
FUBP1 Recombinant Monoclonal Antibody

Product Code	CSB-RA157765A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q96AE4
Immunogen	A synthesized peptide derived from human FUBP1
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC, IF, FC, IP; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200, IF:1:20-1:200, FC:1:20-1:200, IP:1:200-1:1000
Relevance	Regulates MYC expression by binding to a single-stranded far-upstream element (FUSE) upstream of the MYC promoter. May act both as activator and repressor of transcription.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Epigenetics and Nuclear Signaling
Gene Names	FUBP1
Clone No.	7C3

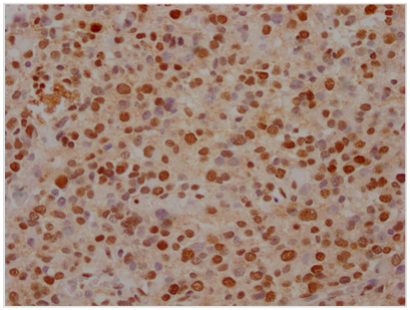
Image



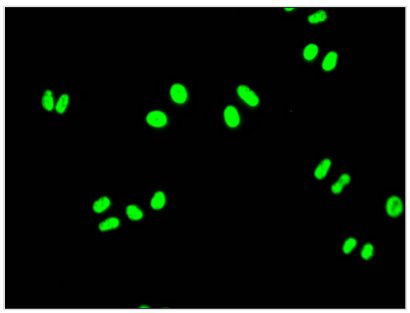
Western Blot
Positive WB detected in: Jurkat whole cell lysate, K562 whole cell lysate, Hela whole cell lysate, Raji whole cell lysate, HepG2 whole cell lysate
All lanes: FUBP1 antibody at 1:2000
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 68, 69 kDa
Observed band size: 69 kDa



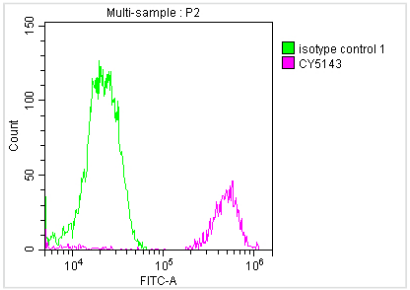
IHC image of CSB-RA157765A0HU diluted at 1:100 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4? overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



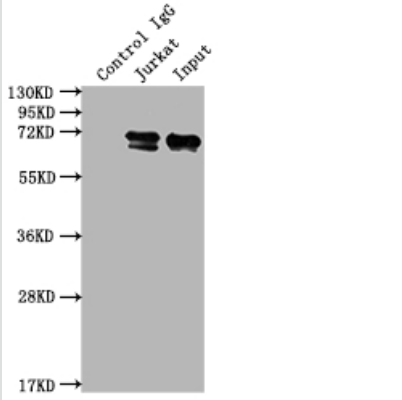
IHC image of CSB-RA157765A0HU diluted at 1:100 and staining in paraffin-embedded human glioma cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4? overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



Immunofluorescence staining of Hela Cells with CSB-RA157765A0HU at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4?. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



Overlay histogram showing Jurkat cells stained with CSB-RA157765A0HU (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then incubated in 10% normal goat serum to block non-specific protein-protein interactions followedby the antibody (1µg/1*10^6 cells) for 1 h at 4?.The secondary antibody used was FITC-conjugated goat anti-rabbit IgG (H+L) at 1/200 dilution for 30min at 4?. Control antibody (green line) was Rabbit IgG (1µg/1*10^6 cells) used under the same conditions. Acquisition of >10,000 events was performed.



Immunoprecipitating FUBP1 in Jurkat whole cell lysate
Lane 1: Rabbit control IgG instead of CSB-RA157765A0HU in Jurkat whole cell lysate. For western blotting,a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
Lane 2: CSB-RA157765A0HU(2μg)+ Jurkat whole cell lysate(500μg)
Lane 3: Jurkat whole cell lysate (10μg)

Description

FUBP1 is a DNA and RNA binding protein that mainly regulates the transcription of its target genes. FUBP1 stimulates cell proliferation, suppresses apoptosis, and enhances cell migration by regulating complex networks. FUBP1 is up-regulated in various types of cancer, including renal cell carcinoma, breast cancer, prostate cancer, and bladder cancer. Loss-of-function analyses of FUBP1 reveal its essential roles in hematopoietic stem cell maintenance and survival.

This recombinant FUBP1 antibody was developed with the Single B cell platform. The main process included identification and isolation of single B cells; amplification and cloning of FUBP1 antibody gene; expression, screening, and identification of antibody specificity. And this FUBP1 antibody has been validated in ELISA, WB, IHC, IF, FC, IP.