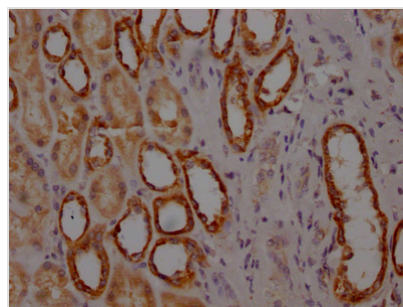




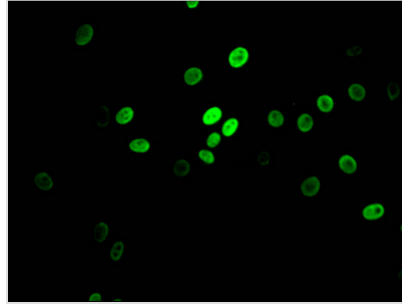
MYBBP1A Antibody

Product Code	CSB-RA978157A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q9BQG0
Immunogen	A synthesized peptide derived from human MYBBP1A
Species Reactivity	Human
Tested Applications	ELISA, IHC, IF; Recommended dilution: IHC:1:50-1:200, IF:1:20-1:200
Relevance	May activate or repress transcription via interactions with sequence specific DNA-binding proteins. Repression may be mediated at least in part by histone deacetylase activity (HDAC activity). Acts as a corepressor and in concert with CRY1, represses the transcription of the core circadian clock component PER2. Preferentially binds to dimethylated histone H3 'Lys-9' (H3K9me2) on the PER2 promoter.
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; Cancer; Signal transduction
Gene Names	MYBBP1A
Accession NO.	3A1

Image



IHC image of CSB-RA978157A0HU diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ 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°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



Immunofluorescence staining of HepG2 Cells with CSB-RA978157A0HU 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°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

Description

MYBBP1A, also known as p160, acts as a co-repressor of multiple transcription factors involved in many physiological processes. In all these processes, MYBBP1A acts as a tumor suppressor, regulating the evolution and malignancy of cells. MYBBP1A is also a repressor of PGC1 α and can be a key regulator of metabolic processes. MYBBP1A interacts with the negative regulatory domain (NRD) of PGC1 α and reduces its ability to stimulate mitochondrial respiration and electron transport system-related gene expression. MYBBP1A also binds to factors involved in epigenetic regulation. MYBBP1A has been linked to cell cycle control, especially the G2/M phase, and mitosis.

The recombinant MYBBP1A antibody was generated in vitro through inserting cloned MYBBP1A genes into expression vectors. The expression vector was then inserted into a mammalian cell to express this MYBBP1A antibody. It has been validated in ELISA, IHC, IF. Every step in the production was controlled strictly. You have no worries about the quality.