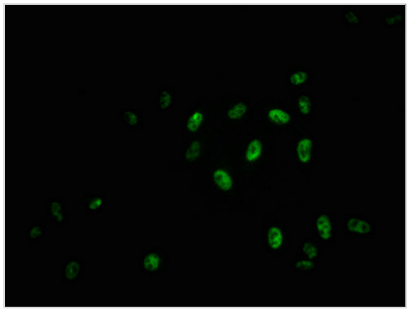
Phospho-MYB (S11) Recombinant Monoclonal Antibody

Product Code	CSB-RA015261A11phHU
Abbreviation	Transcriptional activator Myb
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P10242
Immunogen	A synthesized peptide derived from Human Phospho-MYB (S11)
Species Reactivity	Human
Tested Applications	ELISA, IF; Recommended dilution: IF:1:20-1:200
Relevance	Transcriptional activator; DNA-binding protein that specifically recognize the sequence 5'-YAAC[GT]G-3'. Plays an important role in the control of proliferation and differentiation of hematopoietic progenitor cells.
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
Alias	Transcriptional activator Myb, Proto-oncogene c-Myb, MYB
Immunogen Species	Homo sapiens (Human)
Research Area	Epigenetics and Nuclear Signaling
Gene Names	MYB
Clone No.	3F4

Image



Immunofluorescence staining of Hela cells with CSB-RA015261A11phHU at 1:100,counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4?. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG (H+L).

Description

The phospho-MYB (S11) recombinant monoclonal antibody is a highly specific antibody against the phosphorylated human MYB at Ser 11. This phospho-MYB

(S11) antibody was expressed by transfecting the human phospho-MYB (S11) monoclonal antibody gene-vector clones into the cell line for in vitro production and subsequent purification from the tissue culture supernatant (TCS) through affinity-chromatography. Its isotype matches with the rabbit IgG. This phospho-MYB (S11) antibody can be used in ELISA and IF applications.

Phosphorylation of c-Myb has been linked to the modulation of c-Myb/DNA binding. Ramsay *et al*. found that constitutive phosphorylation by CK2 at serines 11 and 12 is required for full-length c-Myb to have high-affinity specific DNA binding activity in vitro. CK2 phosphorylation of c-Myb at serines 11 and 12 lowers the effectiveness of c-Myb DNA binding to low-affinity sites, according to Luscher *et al*.