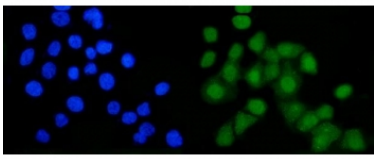
B-Myb Antibody / Myb-related protein B / MYBL2 (RQ6430)

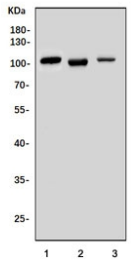
Catalog No.	Formulation	Size
RQ6430	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

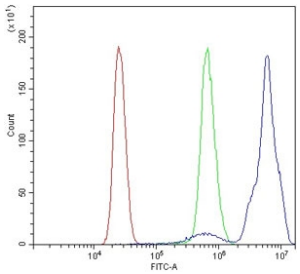
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P10244
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This B-Myb antibody is available for research use only.



Immunofluorescent staining of FFPE human Caco-2 cells with B-Myb antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) Raji, 2) HEK293 and 3) Caco-2 cell lysate with B-Myb antibody. Predicted molecular weight: ~79 kDa, may also be observed at 100~110 kDa.



Flow cytometry testing of human U937 cells with B-Myb antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= B-Myb antibody.

Description

Myb-related protein B is a protein that in humans is encoded by the MYBL2 gene. The protein encoded by this gene, a member of the MYB family of transcription factor genes, is a nuclear protein involved in cell cycle progression. Barletta et al.(1991) assigned the MYBL2 gene to chromosome Xq13. However, Noben-Trauth et al.(1996) demonstrated that this assignment was an error. Using mouse Mybl2 cDNA clones as probes, they assigned Mybl2 in an interspecific backcross panel to distal mouse chromosome 2. Using human cDNA probes in combination with fluorescence in situ hybridization analysis, they localized MYBL2 to chromosome 20q13.1, a region that is commonly deleted in myeloid disorders and shows high homology of synteny to mouse chromosome 2. It has been shown to activate the cell division cycle 2, cyclin D1, and insulin-like growth factor-binding protein 5 genes. Transcript variants may exist for this gene, but their full-length natures have not been determined.

Application Notes

Optimal dilution of the B-Myb antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids K31-R695) was used as the immunogen for the B-Myb antibody.

Storage

After reconstitution, the B-Myb antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com