

Bcl-6 Polyclonal Antibody

Catalog No: YT5311

Reactivity: Human; Mouse; Rat

Applications: IF;WB;IHC;ELISA

Target: Bcl-6

Fields: >>FoxO signaling pathway;>>Transcriptional misregulation in

cancer;>>Chemical carcinogenesis - receptor activation

Gene Name: BCL6

Protein Name: B-cell lymphoma 6 protein

P41182

P41183

Human Gene Id: 604

Human Swiss Prot

No:

Mouse Gene Id: 12053

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from the

Internal region of human BCL6. AA range:271-320

Specificity: Bcl-6 Polyclonal Antibody detects endogenous levels of Bcl-6 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: IF 1:50-200 WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000. Not yet

tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 78kD

Background : The protein encoded by this gene is a zinc finger transcription factor and

contains an N-terminal POZ domain. This protein acts as a sequence-specific repressor of transcription, and has been shown to modulate the transcription of STAT-dependent IL-4 responses of B cells. This protein can interact with a variety of POZ-containing proteins that function as transcription corepressors. This gene is found to be frequently translocated and hypermutated in diffuse large-cell lymphoma (DLCL), and may be involved in the pathogenesis of DLCL. Alternatively spliced transcript variants encoding different protein isoforms have

been found for this gene. [provided by RefSeq, Aug 2015],

Function: disease: A chromosomal aberration involving BCL6 may be a cause of a form of

B-cell leukemia. Translocation t(3;11)(q27;q23) with POU2AF1/OBF1.,disease:A

chromosomal aberration involving BCL6 may be a cause of lymphoma. Translocation t(3;4)(q27;p11) with ARHH/TTF.,disease:Chromosomal

aberrations involving BCL6 may be a cause of B-cell non-Hodgkin lymphoma.

Translocation t(3;14)(q27;q32); translocation t(3;22)(q27;q11) with

immunoglobulin gene regions.,function:Transcriptional repressor which is required for germinal center formation and antibody affinity maturation. Probably plays an important role in lymphomagenesis.,induction:Down-regulated during maturation of dendritic cells by selective stimuli such as LPS, CD40L and zymosan.,PTM:Phosphorylated by MAPK1 in response to antigen receptor activation. Phosphorylation induces its degradation by ubiquitin/proteasome

pathway.,similarity:Cont

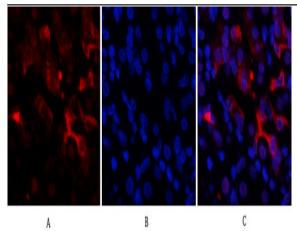
Subcellular Location:

Nucleus.

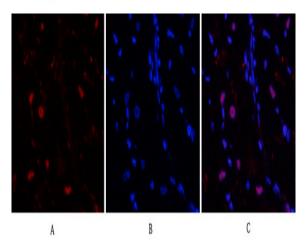
Expression: Expressed in germinal center T- and B-cells and in primary immature dendritic

cells.

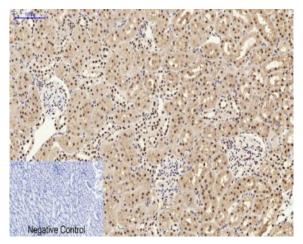
Products Images



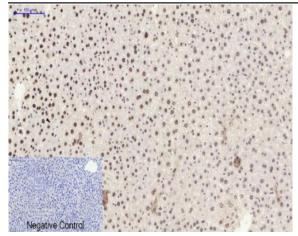
Immunofluorescence analysis of human-stomach tissue. 1,Bcl-6 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



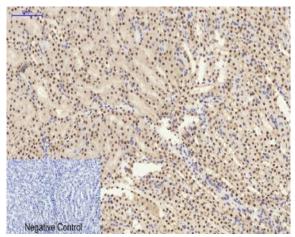
Immunofluorescence analysis of rat-heart tissue. 1,Bcl-6 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



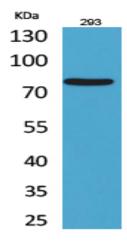
Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1,Bcl-6 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



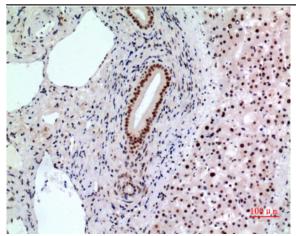
Immunohistochemical analysis of paraffin-embedded Mouse-liver tissue. 1,Bcl-6 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



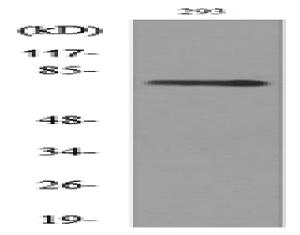
Immunohistochemical analysis of paraffin-embedded Mouse-kidney tissue. 1,Bcl-6 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Western Blot analysis of 293 cells using Bcl-6 Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Immunohistochemical analysis of paraffin-embedded humanliver, antibody was diluted at 1:100



Western blot analysis of lysate from 293 cells, using BCL6 Antibody.