



FOXP1 Rabbit mAb

Catalog No	YP-rAb-17501
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	FOXP1
Protein Name	Forkhead box protein P1
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:1000-1:4000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	FOXP1;Forkhead box protein P1;FOXP1 ; HSPC215 ; Forkhead box protein P1
Observed Band	82-90kD
Calculated Molecular Weight	75kD
Cell Pathway	Nucleus . Not found in the nucleolus. .
Tissue Specificity	Isoform 8 is specifically expressed in embryonic stem cells.
Function	Alternative products:Additional isoforms seem to exist,Disease:A chromosomal aberration involving FOXP1 is found in acute lymphoblastic leukemia . Translocation t(9;3)(p13;p14. 1) with PAX5. Domain:The leucine-zippe r is required for dimerization and transcriptional repression.,Function:Transcriptional repressor that plays an important role in the specification and differentiation of lung epithelium. Can act with CTBP1 to synergistically repress transcription but CTPBP1 is not essential. Essential transcriptional regulator of B cell development.,similarity:Contains 1 C2H2-type zinc finger.,similarity:Contains 1 fork-head DNA-binding domain.,subunit:Forms homodimers and heterodimers with FOXP2 and FOXP4. Dimerization is required for DNA-binding. Interacts with CTBP1.,





Background

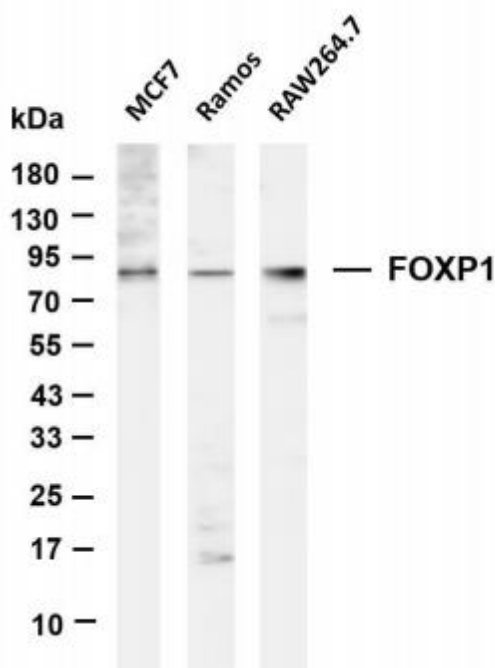
This gene belongs to subfamily P of the forkhead box (FOX) transcription factor family. Forkhead box transcription factors play important roles in the regulation of tissue- and cell type-specific gene transcription during both development and adulthood. Forkhead box P1 protein contains both DNA-binding- and protein-protein binding-domains. This gene may act as a tumor suppressor as it is lost in several tumor types and maps to a chromosomal region (3p14.1) reported to contain a tumor suppressor gene(s). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],

matters needing attention

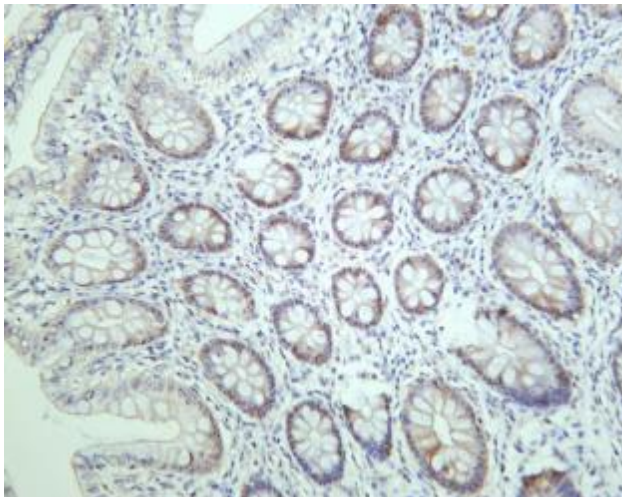
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

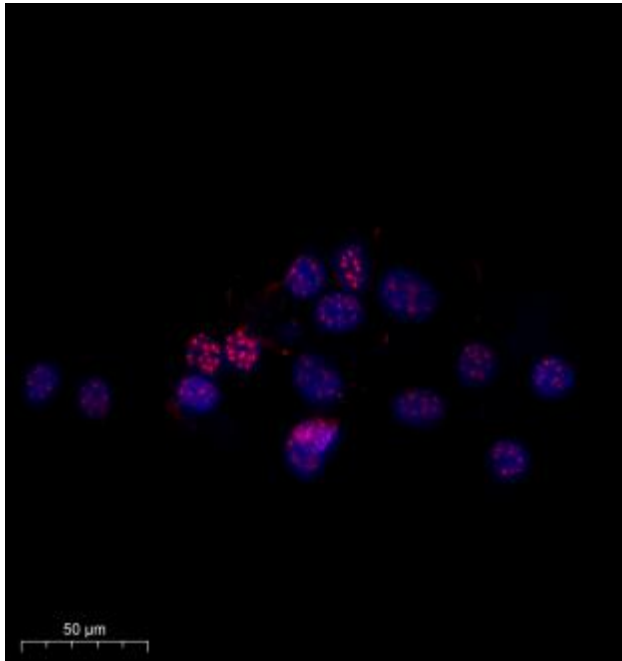


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-FOXP1 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: MCF7 Lane 2: Ramos Lane 3: RAW264.7 Predicted band size: 75kDa Observed band size: 82-90kDa

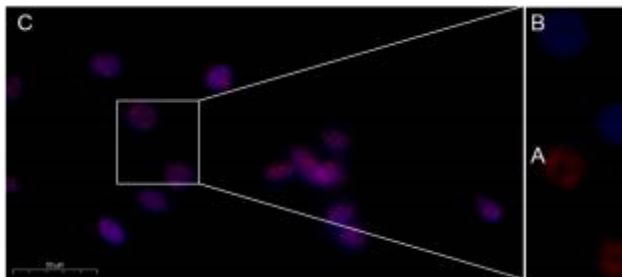


Human colon was stained with anti-FOXP1 rabbit antibody





Immunofluorescence analysis of MCF7 cell. 1,primary Antibody was diluted at 1:100(4~C overnight). 2, Goat Anti Rabbit IgG (H&L) - AF594 Secondary antibody(catalog No:



Immunofluorescence analysis of MCF7 . Picture A: FOXP1 Rabbit mAb (red). Picture B: DAPI (blue). Picture C: Merge of A+B

