Best Tools for immunology Research

FOXP3 Polyclonal Antibody

Catalog No :	YT5446
Reactivity :	Human;Mouse;Rat;Pig
Applications :	WB;IHC;IF;ELISA
Target :	FOXP3
Fields :	>>Th17 cell differentiation;>>Inflammatory bowel disease
Gene Name :	FOXP3
Protein Name :	Forkhead box protein P3
Human Gene Id :	50943
Human Swiss Prot No :	Q9BZS1
Mouse Gene Id :	20371
Mouse Swiss Prot No :	Q99JB6
Immunogen :	The antiserum was produced against synthesized peptide derived from the C-terminal region of human FOXP3. AA range:381-430
Specificity :	FOXP3 Polyclonal Antibody detects endogenous levels of FOXP3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200
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)

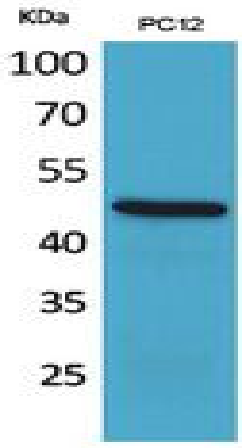
Observed Band : 47kD

Background : The protein encoded by this gene is a member of the forkhead/winged-helix family of transcriptional regulators. Defects in this gene are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX), also known as X-linked autoimmunity-immunodeficiency syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008],

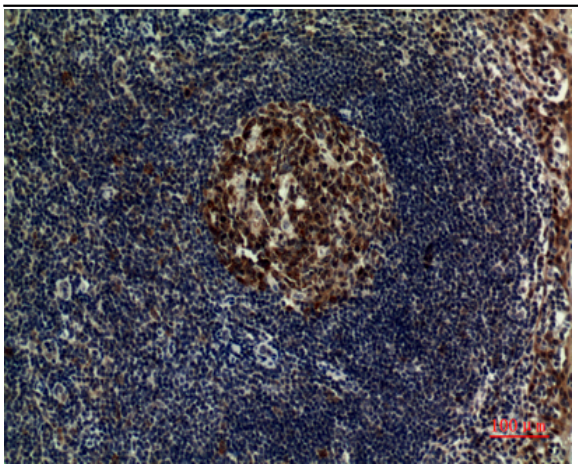
Function : disease:Defects in FOXP3 are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX) [MIM:304790]; also known as X-linked autoimmunity-immunodeficiency syndrome. IPEX is characterized by neonatal onset insulin-dependent diabetes mellitus, infections, secretory diarrhea, trombocytopenia, anemia and eczema. It is usually lethal in infancy.,function:Probable transcription factor. Plays a critical role in the control of immune response.,online information:FOXP3 entry,online information:FOXP3 mutation db,similarity:Contains 1 C2H2-type zinc finger.,similarity:Contains 1 fork-head DNA-binding domain.,

Subcellular Location : Nucleus . Cytoplasm . Predominantly expressed in the cytoplasm in activated conventional T-cells whereas predominantly expressed in the nucleus in regulatory T-cells (Treg). The 41 kDa form derived by proteolytic processing is found exclusively in the chromatin fraction of activated Treg cells (By similarity). .

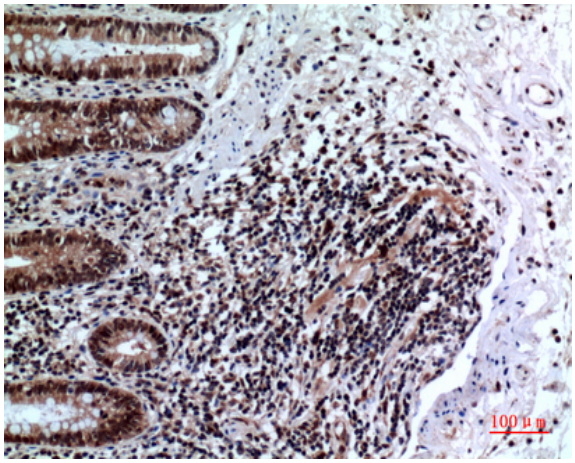
Products Images



Western Blot analysis of PC12 cells using FOXP3 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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



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