

**FOXP3 Polyclonal Antibody**

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

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**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, thrombocytopenia, 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.,

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**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). .

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