



FoxP3 Monoclonal Antibody

Catalog No	YP-Ab-00981
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	FOXP3
Protein Name	Forkhead box protein P3
Immunogen	Purified recombinant fragment of human FoxP3 expressed in E. Coli.
Specificity	FoxP3 Monoclonal Antibody detects endogenous levels of FoxP3 protein.
Formulation	Purified antibody in PBS containing 0.03% sodium azide.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FOXP3; IPEX; JM2; Forkhead box protein P3; Scurfin
Observed Band	47kD
Cell Pathway	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).
Tissue Specificity	
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.,
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],

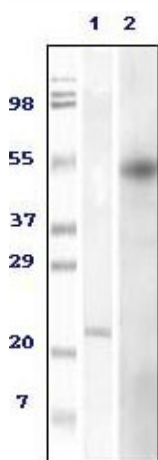
matters needing attention

Avoid repeated freezing and thawing!

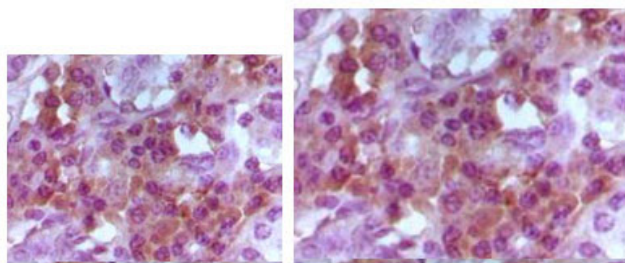
Usage suggestions

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

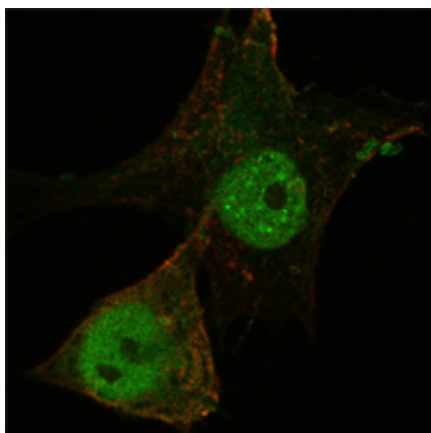
Products Images



Western Blot analysis using FoxP3 Monoclonal Antibody against truncated Foxp3 recombinant (1) and HEK293 cell lysate (2).



Immunohistochemistry analysis of paraffin-embedded human lymphocyte tissue, showing cytoplasmic and nuclear localization with DAB staining using FoxP3 Monoclonal Antibody.



Confocal immunofluorescence analysis of PANC-1 cells using FoxP3 Monoclonal Antibody (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.