

FoxD3 Monoclonal Antibody

Catalog No :	YM0283
Reactivity :	Human;Mouse;Monkey
Applications :	WB;IHC;IF;ELISA
Target :	FoxD3
Gene Name :	FOXD3
Protein Name :	Forkhead box protein D3
Human Gene Id :	27022
Human Swiss Prot No :	Q9UJU5
Mouse Gene Id :	15221
Mouse Swiss Prot No :	Q61060
Immunogen :	Purified recombinant fragment of human FoxD3 expressed in E. Coli.
Specificity :	FoxD3 Monoclonal Antibody detects endogenous levels of FoxD3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. ELISA: 1:10000.. IF 1:50-200
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	48kD
P References :	1. J Neuroimmune Pharmacol. 2009 Mar;4(1):103-15.

2. Nature. 2006 May 18;441(7091):315-21.

Background :

This gene belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain. Mutations in this gene cause autoimmune susceptibility 1. [provided by RefSeq, Nov 2008],

Function :

disease:Defects in FOXD3 are associated with susceptibility to autoimmune disease type 1 (AIS1) [MIM:607836]; also called vitiligo-associated multiple autoimmune disease susceptibility type 2 (VAMAS2). Generalized vitiligo is an acquired disorder in which white patches of skin and hair result from autoimmune loss of melanocytes, often associated with other autoimmune disorders. Most cases occur in a sporadic family pattern suggesting polygenic, multifactorial inheritance. However, a striking family in which a somewhat unusual vitiligo phenotype has been described, characterized by progressively coalescent diffuse depigmentation and relatively early disease onset, segregated as an apparent autosomal dominant with incomplete penetrance.,function:Binds to the consensus sequence 5'-A[AT]T[AG]TTTGTTT-3' and acts as a transcriptional repressor. Also acts as a transcriptional activator. Promote

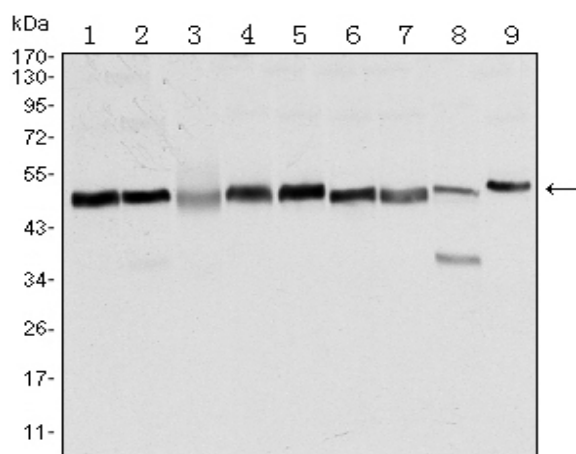
Subcellular Location :

Nucleus .

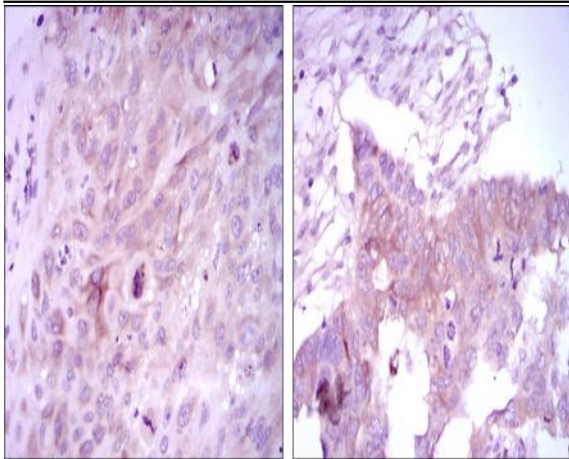
Expression :

Expressed in chronic myeloid leukemia, Jurkat T-cell leukemia and teratocarcinoma cell lines, but not in any other cell lines or normal tissues examined.

Products Images



Western Blot analysis using FoxD3 Monoclonal Antibody against NTERA-2 (1), HUVE-12 (2), HEK293 (3), HeLa (4), Jurkat (5), K562 (6), RAW264.7 (7), NIH/3T3 (8), and COS7 (9) cell lysate.



Immunohistochemistry analysis of paraffin-embedded lung cancer tissues (left) and ovarian cancer tissues (right) with DAB staining using FoxD3 Monoclonal Antibody.