



FoxK1 Polyclonal Antibody

Catalog No	YP-Ab-01728
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	FOXK1
Immunogen	The antiserum was produced against synthesized peptide derived from human FOXK1. AA range:681-730
Specificity	FoxK1 Polyclonal Antibody detects endogenous levels of FoxK1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FOXK1L;MNF;FoxK1;Forkhead box protein K1;Myocyte nuclear factor
Observed Band	78kD
Calculated Molecular Weight	78kD
Cell Pathway	Nucleus . Cytoplasm . Translocation to the nucleus is regulated by phosphorylation: phosphorylation by GSK3 (GSK3A or GSK3B) promotes interaction with 14-3-3 proteins and sequestration in the cytoplasm. Dephosphorylation promotes translocation to the nucleus (By similarity). Accumulates in the nucleus upon viral infection (PubMed:25852164). .
Tissue Specificity	Expressed both developing and adult tissues (PubMed:15289879). In adults, significant expression is seen in tumors of the brain, colon and lymph node (PubMed:15289879).
Function	function:Transcriptional regulator that binds to the upstream enhancer region (CCAC box) of myoglobin gene. Has a role in myogenic differentiation and in remodeling processes of adult muscles that occur in response to physiological stimuli.,PTM:Phosphorylated.,similarity:Contains 1 FHA domain.,similarity:Contains 1 fork-head DNA-binding domain.,subunit:Interacts with SIN3B to form a complex which represses transcription.,tissue



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Background

function: Transcriptional regulator that binds to the upstream enhancer region (CCAC box) of myoglobin gene. Has a role in myogenic differentiation and in remodeling processes of adult muscles that occur in response to physiological stimuli., PTM: Phosphorylated., similarity: Contains 1 FHA domain., similarity: Contains 1 fork-head DNA-binding domain., subunit: Interacts with SIN3B to form a complex which represses transcription., tissue specificity: Expressed both developing and adult tissues. In adults, significant expression is seen in tumors of the brain, colon and lymph node.,

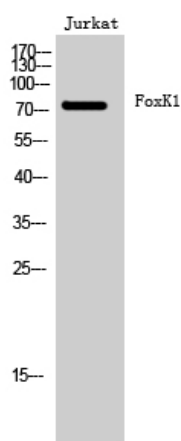
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

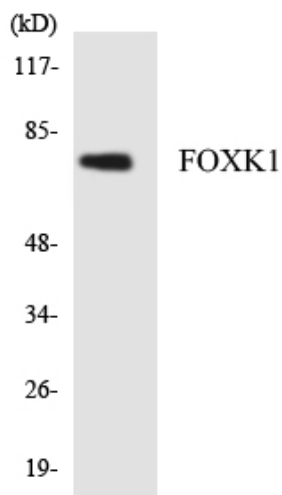
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

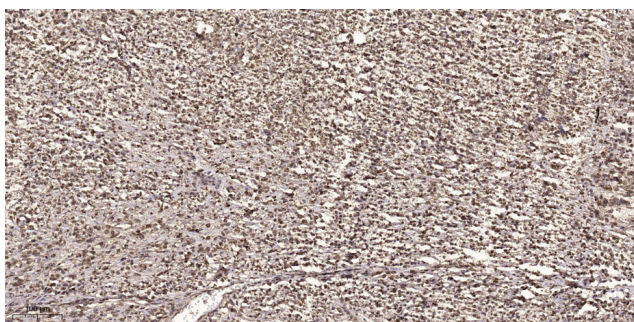


Western Blot analysis of Jurkat cells using FoxK1 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).

Western blot analysis of lysates from Jurkat cells, using FOXK1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using FOXK1 antibody.



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1, primary Antibody was diluted at 1:200 (4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval (>98° C, 20min). 3, Secondary antibody was diluted at 1:200