



FoxK1 rabbit pAb

Cat No.:ES5233

For research use only

Overview

Product Name	FoxK1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
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.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Forkhead box protein K1
Gene Name	FOXK1
Cellular localization	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). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	78kD
Human Gene ID	221937
Human Swiss-Prot Number	P85037
Alternative Names	FOXK1; MNF; Forkhead box protein K1; Myocyte





Background

nuclear factor; MNF

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

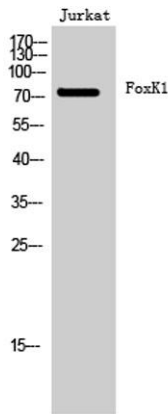
DNA-binding domain.,subunit:Interacts with SIN3B

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.,

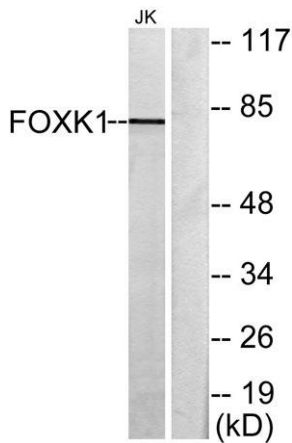


Western Blot analysis of Jurkat cells using FoxK1

Polyclonal Antibody cells nucleus extracted by Minute TM

Cytoplasmic and Nuclear Fractionation kit

(SC-003, Inventbiotech, MN, USA).

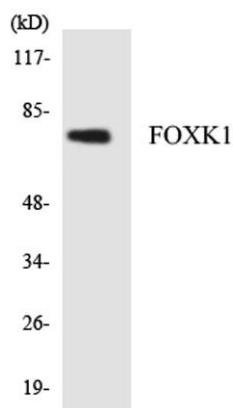


Western blot analysis of lysates from Jurkat cells, using

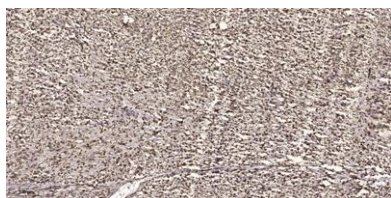
FOXK1 Antibody. The lane on the right is blocked with the

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

