FoxK1 Monoclonal Antibody

Catalog No	YP-mAb-01728
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	FOXK1
Protein Name	Forkhead box protein K1
Immunogen	The antiserum was produced against synthesized peptide derived from human FOXK1. AA range:681-730
Specificity	FoxK1 Monoclonal Antibody detects endogenous levels of FoxK1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FOXK1; MNF; Forkhead box protein K1; Myocyte nuclear factor; MNF
Observed Band	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 specificity:Expressed both developing and adult tissues. In adults, significant expression is seen in tumors of the brain, colon and lymph node.,
Background	function:Transcriptional regulator that binds to the upstream enhancer region (CCAC box) of myoglobin gene. Has a role in myogenic differentiation and in

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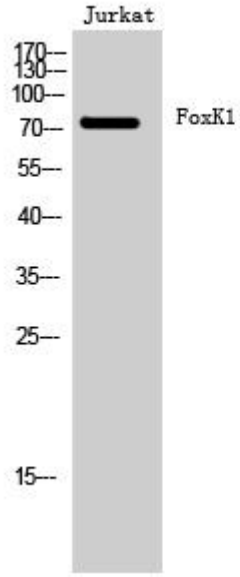
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using FoxK1 Monoclonal Antibody