

Rabbit anti-Human, Mouse FOXK1 Polyclonal Antibody | anti-FOXK1 antibody

FOXK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323933	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

FOXK1; Polyclonal Antibody; FOXK1 Antibody; A630048H08Rik; A1463295; ENSMUSG00000075577; FHX; Fork head; Forkhead box protein K1; FOXJ2 forkhead factor; FOXK1_HUMAN; Gm10868; MNF; Myocyte nuclear factor; anti-FOXK1 antibody

PRODUCT SPECIFICATIONS

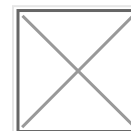
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	FOXK1 antibody detects endogenous levels of total FOXK1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	733
Applicable Applications for anti-FOXK1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Expressed both developing and adult tissues. In adults, significant expression is seen in tumors of the brain, colon and lymph node.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using FOXK1 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA323933 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti- FOXK1 antibody	Function: Transcriptional regulator that binds to the upstream enhancer region (CCAC box) of myoglobin gene (By similarity). Important regulatory factor of the myogenic progenitor cell population (By similarity). Involved in the cell cycle process, promotes proliferation by repressing Foxo4 transcriptional activity and the cyclin-dependent kinase inhibitor, p21CIP, in the myogenic progenitor cells (By similarity). Represses myogenic differentiation by inhibiting MEFC activity (By similarity). Has a role in remodeling processes of adult muscles that occur in response to physiological stimuli (By similarity). Required to correct temporal orchestration of molecular and cellular events necessary for muscle repair (By similarity). Positively regulates Wnt/beta-catenin signaling by translocating DVL into the nucleus (PubMed:25805136). Reduces virus replication, probably by binding the interferon stimulated response element (ISRE) to promote antiviral gene expression (PubMed:25852164). Subunit Structure: Interacts with SIN3A and SIN3B (via PAH2) to form a complex which represses transcription (By similarity). Interacts with FOXO4 and MEF2C; both interactions inhibit FOXO4 and MEF2C transactivation activity (By similarity). Interacts with DVL2 and DVL3; the interaction induces DVL2 nuclear translocation (PubMed:25805136).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	82546824
NCBI GeneID	221937
NCBI Accession #	NP_001032242.1
NCBI GenBank Nucleotide #	NM_001037165.1
UniProt Accession #	P85037
Molecular Weight	Observed: 78 kD Predicted: 76 kDa
NCBI Official Full Name	forkhead box protein K1
NCBI Official Synonym Full Names	forkhead box K1
NCBI Official Symbol	FOXK1
NCBI Official Synonym Symbols	FOXK1L
NCBI Protein Information	forkhead box protein K1
UniProt Protein Name	Forkhead box protein K1
UniProt Gene Name	FOXK1
UniProt Synonym Gene Names	MNF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/foxk1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/323933>