

ATF7 Rabbit mAb

Catalog No: #49240

Package Size: #49240-1 50ul #49240-2 100ul

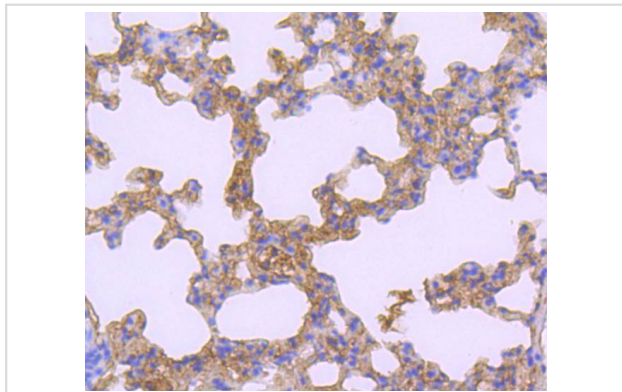
Description

Product Name	ATF7 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JJ2-072
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	1110012F10Rik antibody 9430065F09Rik antibody Activating transcription factor 7 antibody AI549878 antibody ATF7 antibody Atf7 protein antibody ATF7_HUMAN antibody ATFA antibody C130020M04Rik antibody cAMP-dependent transcription factor ATF-7 antibody Cyclic AMP-dependent transcription factor ATF 7 antibody Cyclic AMP-dependent transcription factor ATF-7 antibody MGC31554 antibody MGC57182 antibody Transcription factor ATF A antibody Transcription factor ATF-A antibody
Accession No.	Swiss-Prot#:P17544
Calculated MW	53 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

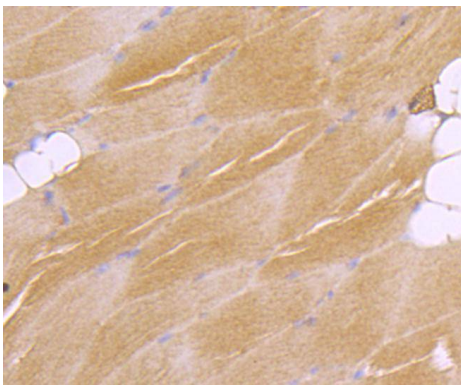
Application Details

WB: 1:500-1:1000IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

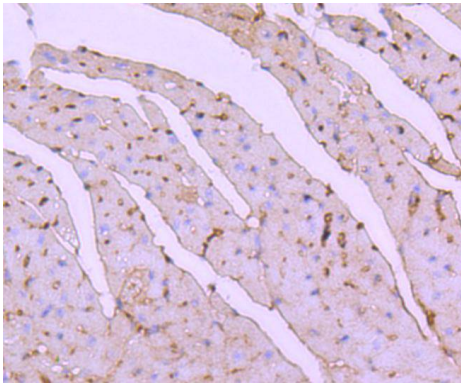
Images



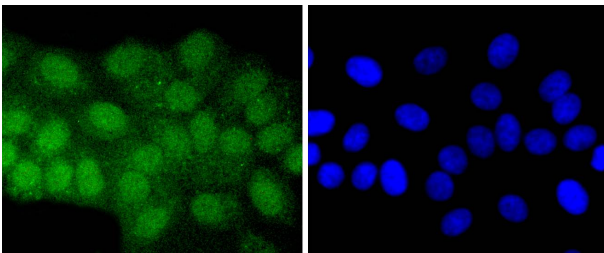
Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-ATF7 antibody. Counter stained with hematoxylin.



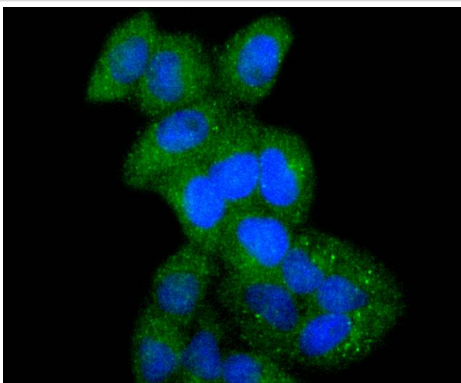
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue using anti-ATF7 antibody. Counter stained with hematoxylin.



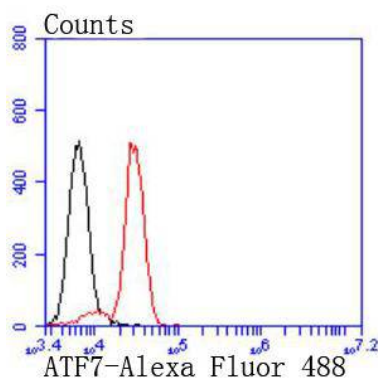
Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-ATF7 antibody. Counter stained with hematoxylin.



ICC staining ATF7 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ATF7 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with ATF7 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

Background

Plays important functions in early cell signaling. Binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AG][AG]-3'), a sequence present in many viral and cellular promoters. Activator of the NF-ELAM1/delta-A site of the E-selectin promoter. Has no intrinsic transcriptional activity, but activates transcription on formation of JUN or FOS heterodimers. Also can bind TRE promoter sequences when heterodimerized with members of the JUN family. Isoform 4/ATF-A0 acts as a dominant repressor of the E-selectin/NF-ELAM1/delta-A promoter. Isoform 5/ATF-4 acts as a negative regulator, inhibiting both ATF2 and ATF7 transcriptional activities. It may exert these effects by sequestering in the cytoplasm the Thr-53 phosphorylating kinase, preventing activation.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.