

Anti-ATF7 Antibody (6F15)

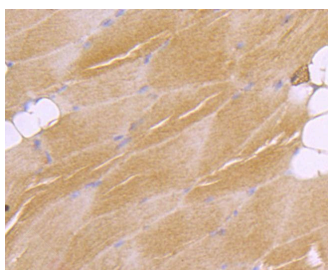
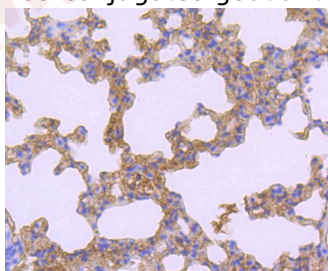
Product Details

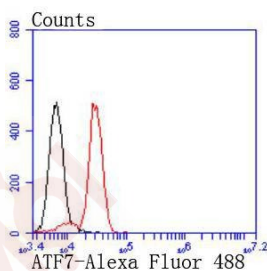
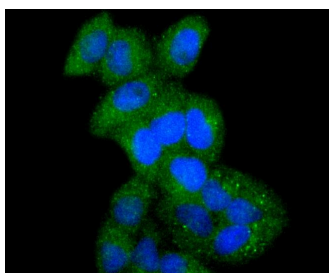
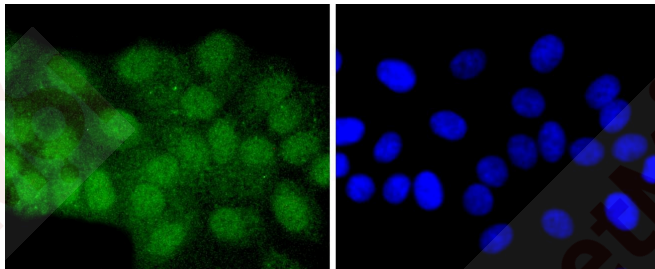
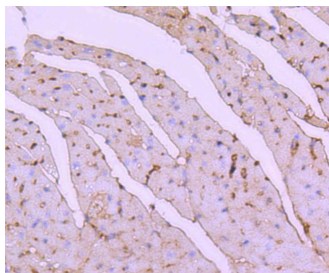
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 53 kDa.
Clone:	6F15
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-ATF7 antibody. Counter stained with hematoxylin.
2. Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue using anti-ATF7 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-ATF7 antibody. Counter stained with hematoxylin.
4. 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.
5. 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.
6. 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.





Application: FCM, ICC/IF, IHC, WB

Recommended WB: 1:500-1000; IHC: 1:50-200; ICC/IF: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P17544

Synonyms: MGC57182; MGC31554; AI549878; Cyclic AMP-dependent transcription factor ATF-7; C130020M04Rik; Cyclic AMP-dependent transcription factor ATF 7; ATFA; Activating transcription factor 7; 9430065F09Rik; ATF 7; Transcription factor ATF-A; ATF7_HUMAN; 1110012F10Rik; Transcription factor ATF A; Atf7 protein; cAMP-dependent transcription factor ATF-7

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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