

ILF3 Rabbit mAb

Catalog No: #49919

Package Size: #49919-1 50ul #49919-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

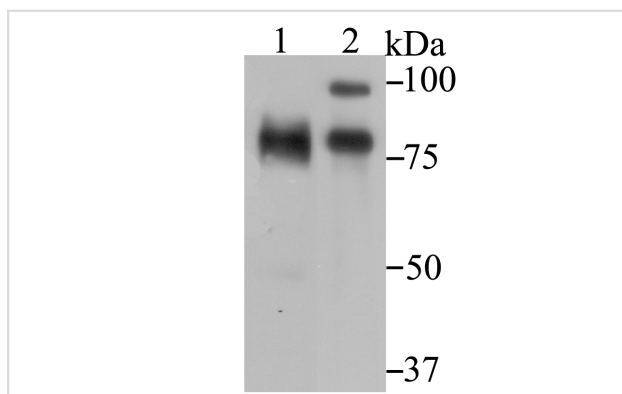
Description

Product Name	ILF3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG37-63
Purification	ProA affinity purified
Applications	WB,IP,ICC,IF,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein of N-terminal human ILF3.
Other Names	CBTF antibody Double stranded RNA binding protein 76 antibody Double-stranded RNA-binding protein 76 antibody DRBF antibody DRBP76 antibody ILF3 antibody ILF3_HUMAN antibody Interleukin enhancer binding factor 3 antibody Interleukin enhancer-binding factor 3 antibody M phase phosphoprotein 4 antibody M-phase phosphoprotein 4 antibody MPHOSPH4 antibody MPP4 antibody NF AT 90 antibody NF-AT-90 antibody NF110 antibody NF90 antibody NFAR antibody Nuclear factor associated with dsRNA antibody Nuclear factor of activated T cells 90 kDa antibody Nuclear factor of activated T-cells 90 kDa antibody TCP80 antibody Translational control protein 80 antibody
Accession No.	Swiss-Prot#:Q12906
Uniprot	Q12906
GeneID	3609;
Calculated MW	75/95 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

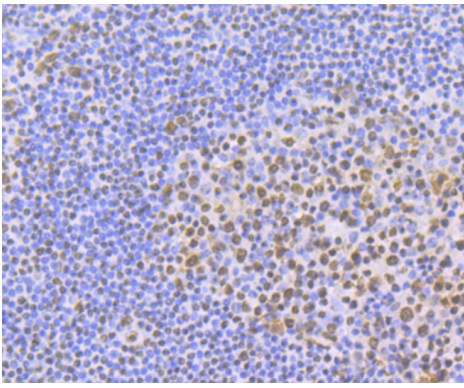
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200IP: 1:10-1:50FC: 1:50-1:100

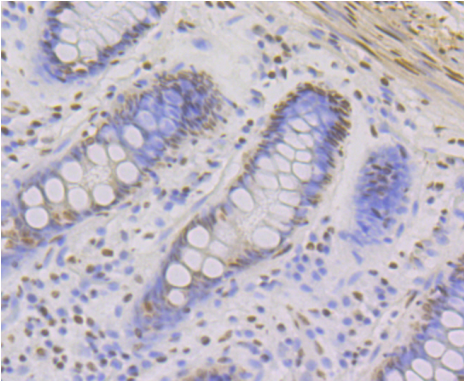
Images



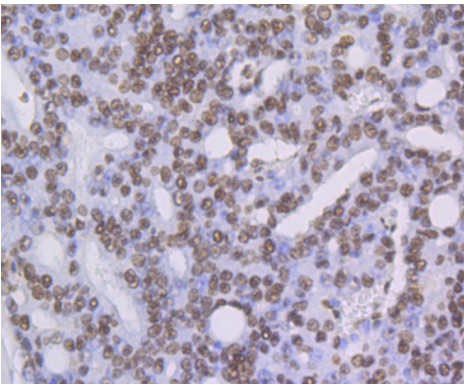
Western blot analysis of ILF3 on rat heart tissue (1) and 293 cell (2) lysate using anti-ILF3 antibody at 1/1,000 dilution.



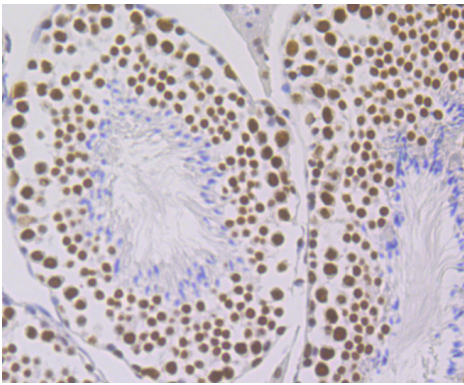
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-ILF3 antibody. Counter stained with hematoxylin.



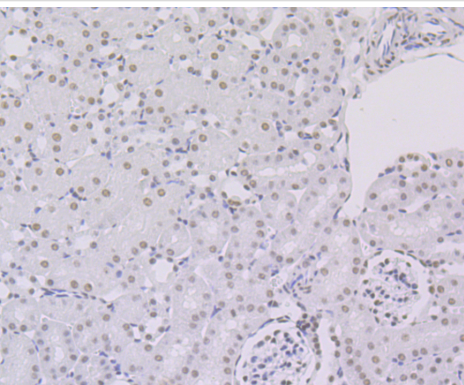
Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-ILF3 antibody. Counter stained with hematoxylin.



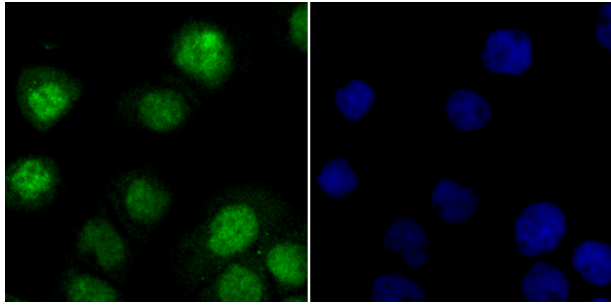
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-ILF3 antibody. Counter stained with hematoxylin.



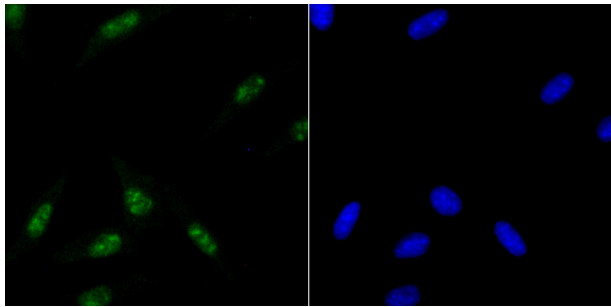
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-ILF3 antibody. Counter stained with hematoxylin.



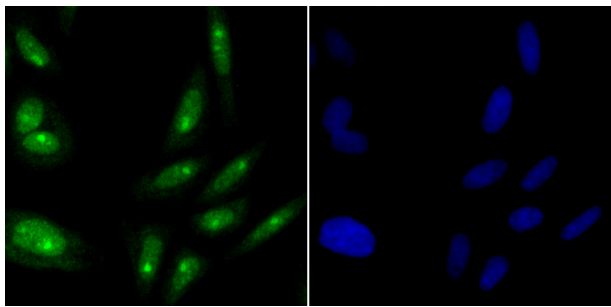
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-ILF3 antibody. Counter stained with hematoxylin.



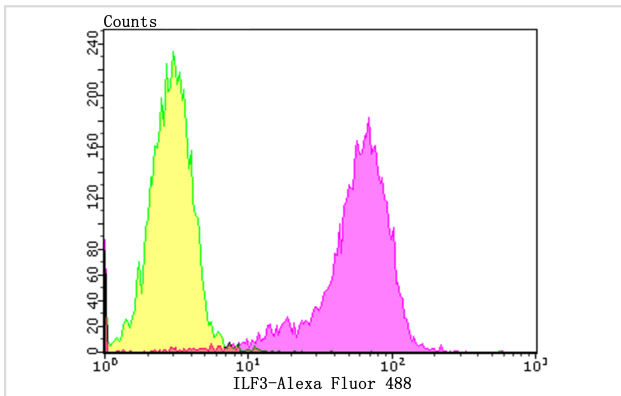
ICC staining ILF3 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ILF3 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ILF3 in SiHa 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 K562 cells with ILF3 antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

ILF3 (interleukin enhancer binding factor 3) or TCP80 (translational control protein 80), is a ubiquitously expressed nuclear protein that exists in a heterodimer with NF45. NF90 contains two DRBM (double-stranded RNA(dsRNA)-binding) domains and one DZF domain and, in association with NF45 primarily participates in the regulation of IL-2 expression by binding to the antigen receptor response element (ARRE) target sequence of the IL-2 enhancer. In neuronal cells, the NF45/NF90 heterodimer can repress human rhinovirus type 2 replication by binding to a 5' untranslated region of the viral RNA that encodes the internal ribosome entry site (IRES). NF45 and NF90 belong to the double-stranded RNA-binding protein family and both are substrates for the dsRNA-activated protein kinase, PKR. Due to alternative splicing events, six isoforms exist for NF90, namely NFAR-2 (or ILF3-E), NFAR-1 (or DRBP76), isoform 3, DRBP76 α (or ILF3-A), DRBP76 δ (also known as DRBP76 γ or ILF3-C) and isoform 6.

References

Note: This product is for in vitro research use only