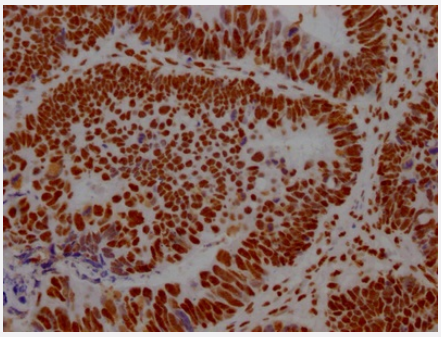
RecomAb™

ILF3 recombinant monoclonal antibody, clone 7H8

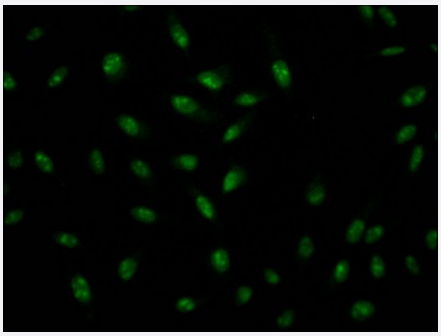
Catalog # RAB07469 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human ovarian cancer using ILF3 recombinant monoclonal antibody, clone 7H8 (Cat # RAB07469) on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



Immunofluorescence

Immunofluorescent staining of Hela Cells with ILF3 recombinant monoclonal antibody, clone 7H8 (Cat # RAB07469). The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ILF3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ILF3.
Reactivity	Human
Form	Liquid

Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Immunofluorescence

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ILF3

Entrez GeneID	3609
Protein Accession#	Q12906
Gene Name	ILF3
Gene Alias	CBTF, DRBF, DRBP76, MMP4, MPHOSPH4, MPP4, NF-AT-90, NF110, NF90, NFAR, NFAR-1, NFAR2, TCP110, TCP80

Gene Description	interleukin enhancer binding factor 3, 90kDa
Omim ID	603182
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a double-stranded RNA (dsRNA) binding protein that complexes with other proteins, dsRNAs, small noncoding RNAs, and mRNAs to regulate gene expression and stabilize mRNAs. This protein was first discovered to be a subunit of the nuclear factor of activated T-cells (NFAT); a transcription factor required for T-cell expression of interleukin 2. NFAT is a heterodimer of 45 kDa and 90 kDa proteins, the larger of which is the product of this gene. These proteins have been shown to affect the redistribution of nuclear mRNA to the cytoplasm. Knockdown of NF45 or NF90 protein retards cell growth; possibly by inhibition of mRNA stabilization. In contrast, an isoform (NF110) of this gene that is predominantly restricted to the nucleus has only minor effects on cell growth when its levels are reduced. Alternative splicing results in multiple transcript variants encoding distinct isoforms
Other Designations	M-phase phosphoprotein 4|double-stranded RNA-binding protein, 76 kD|dsRNA binding protein NFAR-2/MPP4|interleukin enhancer binding factor 3|nuclear factor associated with dsRNA|nuclear factor of activated T-cells, 90 kD|translational control protein 80

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema