

Anti-ILF3(Interleukin enhancer-binding factor 3) Polyclonal Antibody

Cat. #: 60B536

Description:

ILF3(Interleukin enhancer-binding factor 3) may facilitate double-stranded RNA-regulated gene expression at the level of post-transcription. ILF3 can act as a translation inhibitory protein which binds to coding sequences of acid beta-glucocidase (GCCase) and other mRNAs and functions at the initiation phase of GCCase mRNA translation, probably by inhibiting its binding to polysomes. It can regulate protein arginine N-methyltransferase 1 activity. ILF3 may regulate transcription of the IL2 gene during T-cell activation. It can promote the formation of stable DNA-dependent protein kinase holoenzyme complexes on DNA. ILF3 interacts with FUS and SMN proteins and with HRMT1L2 and forms a complex with ILF2. It can also bind to PRKDC/XRCC7: this may stabilize the interaction of PRKDC/XRCC7 and the heterodimeric complex of G22P1/KU70 and XRCC5/KU80.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human ILF3(Interleukin enhancer-binding factor 3)

References

Kao,P.N., et al, J. Biol. Chem. 269 (32), 20691-20699 (1994)
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Xu,Y.H. and Grabowski,G.A., Mol. Genet. Metab. 68 (4), 441-454 (1999)
Duchange,N., et al, Gene 261 (2), 345-353 (2000)
Saunders,L.R., et al, J. Biol. Chem. 276 (34), 32300-32312 (2001)
Sato,M., et al, J. Biol. Chem. 274 (49), 34598-34604 (1999)
Tang,J., et al, J. Biol. Chem. 275 (26), 19866-19876 (2000)
Reichman,T.W., et al, Mol. Cell. Biol. 22 (1), 343-356 (2002)
Scherl,A., et al, Mol. Biol. Cell 13 (11), 4100-4109 (2002)

Species: human, mouse, rat
Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)