
Catalog Number	A8186
Synonyms	CBTF; DRBF; MMP4; MPP4; NF90; NFAR; NF110; NF90a; NF90b; NF90c; NFAR2; TCP80; DRBP76; NF110b; NFAR-1; NFAR-2; NFAR90; TCP110; MPP4110; NF90ctv; NFAR110; MPHOSPH4; NF-AT-90; ILF3
Reactivity	Human,Mouse,Rat
Tested applications	ELISA,WB,IHC-P
Host species	Rabbit
Background	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 (NF90, ILF3) forms a heterodimer with a 45 kDa transcription factor (NF45, ILF2) required for T-cell expression of interleukin 2. This complex has 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.
Gene Id	3609
Isotype	IgG
Purity	Affinity purification
Swiss Prot	Q12906
Recommended dilution	WB,1:1000 - 1:5000 IHC-P,1:50 - 1:200
CALCULATED MW	95kDa
OBSERVED MW	90kDa/100kDa
IMMUNOGEN	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human ILF3 (Q12906).
POSITIVE SAMPLES	HeLa,Raji,C6,SH-SY5Y,Mouse testis
CELLULAR LOCALIZATION	Cytoplasm,Nucleus,Nucleolus,
STORAGE BUFFER	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

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