

For Research Use Only

NFIL3 Monoclonal antibody

Catalog Number: 66368-1-Ig **1 Publications**



Basic Information

Catalog Number: 66368-1-Ig	GenBank Accession Number: BC008197	Purification Method: Protein G purification
Size: 150ul , Concentration: 1200 ug/ml by Nanodrop and 933 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4783	CloneNo.: 2F4B4
Source: Mouse	UNIPROT ID: Q16649	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG1	Full Name: nuclear factor, interleukin 3 regulated	
Immunogen Catalog Number: AG2380	Calculated MW: 462 aa, 51 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : human skeletal muscle tissue,
Cited Applications: IF	
Species Specificity: human, pig	
Cited Species: human	

Background Information

NFIL3, also named E4BP4 and IL3BP1, belongs to the bZIP family and NFIL3 subfamily. It represses transcription from promoters with activating transcription factor (ATF) sites. NFIL3 activates transcription from the interleukin-3 promoter in T-cells. It competes for the same consensus-binding site with PAR DNA-binding factors (DBP, HLF and TEF). It is a component of the circadian clock that acts as a negative regulator for the circadian expression of PER2 oscillation in the cell-autonomous core clock. NFIL3 protects pro-B cells from programmed cell death. It is a key regulator of TH2 responses(PMID:21499227).

Notable Publications

Author	Pubmed ID	Journal	Application
Jiewu Huang	39979265	Cell Death Dis	IF

Storage

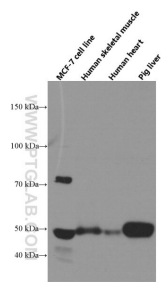
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

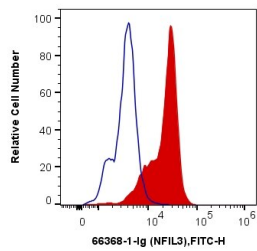
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Western blot analysis of NFIL3 in various cell lines and tissues using Proteintech antibody 66368-1-Ig at dilution of 1:1000 incubated at room temperature for 1.5 hours.



1X10⁶ NK92 were intracellularly stained with 0.4 ug Anti-Human NFIL3 (66368-1-Ig, Clone:2F4B4) and CoraLite® 488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug x. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).