

For Research Use Only

NFAT5 Polyclonal antibody

Catalog Number: 21713-1-AP



Basic Information

Catalog Number: 21713-1-AP	GenBank Accession Number: BC146765	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 10725	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:20-1:200
Source: Rabbit	Full Name: nuclear factor of activated T-cells 5, tonicity-responsive	
Isotype: IgG	Calculated MW: 1531 aa, 166 kDa	
Immunogen Catalog Number: AG16341	Observed MW: 200 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HeLa cells, HepG2 cells, Jurkat cells, U2OS cells, COS-7 cells

IHC: mouse skeletal muscle tissue, human urothelial carcinoma tissue, human thyroid cancer tissue, mouse brain tissue, rat brain tissue

IF: HepG2 cells,

Background Information

NFAT5 (Nuclear factor of activated T-cells 5) is the member of the Rel family of transcription factors, including NF-κB and NFAT1-4, which plays central roles in inducible gene expression during the immune response (PMID: 21629436). NFAT5 also acts as a novel regulator of mammalian anti-pathogen responses, regulating TLR-induced gene expression in primary macrophages induced by Toll-like receptors (PMID: 22312110). NFAT5 is involved in the transcriptional regulation of osmoprotective and inflammatory genes (PMID: 10377394).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

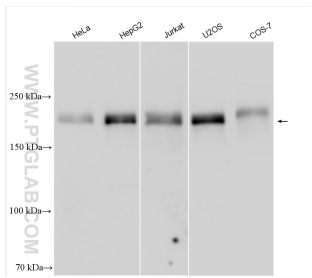
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

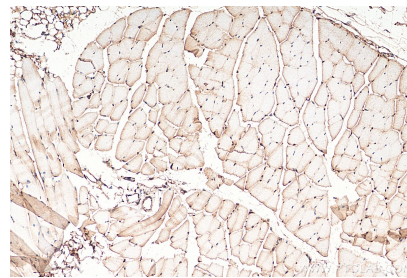
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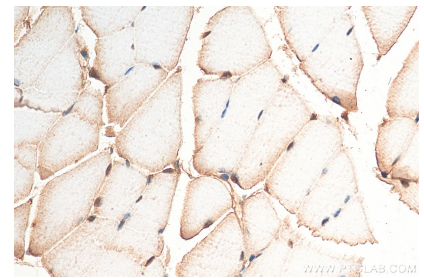
Selected Validation Data



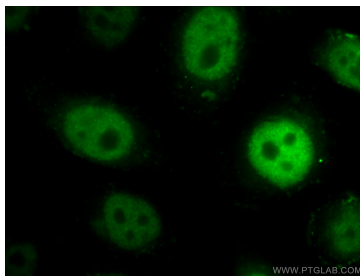
Various lysates were subjected to SDS PAGE followed by western blot with 21713-1-AP (NFAT5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 21713-1-AP (NFAT5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 21713-1-AP (NFAT5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells using 21713-1-AP (NFAT5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).