

For Research Use Only

NFAT5 Polyclonal antibody

Catalog Number: 21713-1-AP



Basic Information

Catalog Number:

21713-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16341

GenBank Accession Number:

BC146765

GeneID (NCBI):

10725

UNIPROT ID:

O94916

Full Name:

nuclear factor of activated T-cells 5,
tonicity-responsive

Calculated MW:

1531 aa, 166 kDa

Observed MW:

200 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

IF 1:20-1:200

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Species Specificity:

human, mouse, rat, monkey

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- κ B 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

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

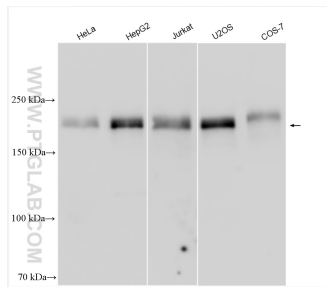
T: 4006900926

E: Proteintech-CN@ptglab.com

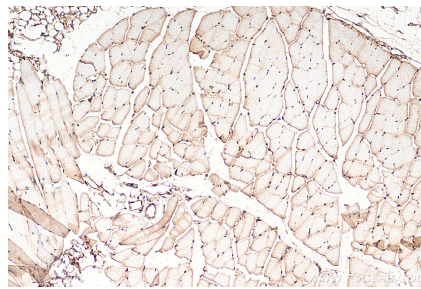
W: ptgcn.com

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

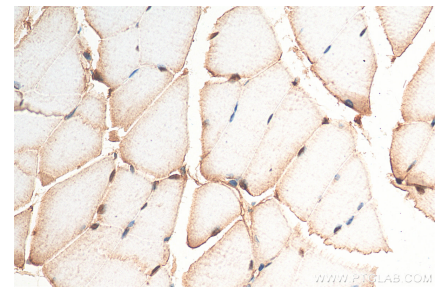
Selected Validation Data



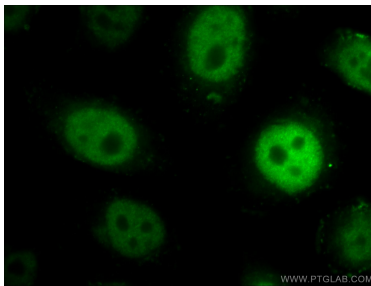
Various lysates were subjected to SDS PAGE followed by western blot with 21713-1-AP (NFAT5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).