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## NFATC4 Rabbit pAb

Catalog Number: bs-6461R

Target Protein: NFATC4

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:50-200)

Reactivity: Mouse, Rat (predicted:Human, Pig, Sheep, Cow, Dog, Horse)

Predicted MW: 95 kDa

Entrez Gene: 4776

Swiss Prot: Q14934

Source: KLH conjugated synthetic peptide derived from human NF-ATc4: 475-525/902.

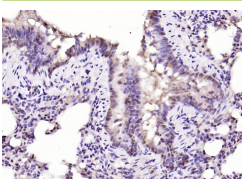
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

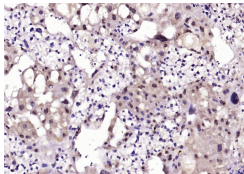
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** The product of this gene is a member of the nuclear factors of activated T cells DNA-binding transcription complex. This complex consists of at least two components: a preexisting cytosolic component that translocates to the nucleus upon T cell receptor (TCR) stimulation and an inducible nuclear component. Other members of this family of nuclear factors of activated T cells also participate in the formation of this complex. The product of this gene plays a role in the inducible expression of cytokine genes in T cells, especially in the induction of the IL-2 and IL-4. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Oct 2008].

### VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (rat lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NFATC4) Polyclonal Antibody, Unconjugated (bs-6461R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NFATC4) Polyclonal Antibody, Unconjugated (bs-6461R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

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[IF=8.063] Zhang Y et al. ASIC1a induces synovial inflammation via the Ca<sup>2+</sup>/NFATc3/RANTES pathway. *Theranostics*. 2020 Jan 1;10(1):247-264. IF ; Rat . 31903118

[IF=5.039] Zhang B et al. miR-137 and its target T-type CaV 3.1 channel modulate dedifferentiation and proliferation of cerebrovascular smooth muscle cells in simulated microgravity rats by regulating calcineurin/NFAT pathway. *Cell Proliferation*. 2020;00:e12774. WB ; Rat . doi:10.1111/cpr.12774

[IF=2.81] Xie, Sheng, et al. "Chronic intermittent hypoxia induces cardiac hypertrophy by impairing autophagy through the adenosine 5'-monophosphate-activated protein kinase pathway." *Archives of Biochemistry and Biophysics* (2016). WB ; ="Rat" . 27412517

[IF=3.263] Li L et al. Sacubitril/valsartan attenuates atrial electrical and structural remodelling in a rabbit model of atrial fibrillation. *Eur J Pharmacol* . 2020 Aug 15;881:173120. IHC,WB ; rabbit . 32325147

[IF=2.107] Su Q et al. Involvement of calcineurin/NFATc4 pathway in a single-prolonged stress-based rat model of post-traumatic stress disorder. *Mol Biol Rep*. 2019 Sep 4. WB ; Rat . 31486013