

bs-6461R**[Primary Antibody]****NFATC4 Rabbit pAb****BioSS**
ANTIBODIES

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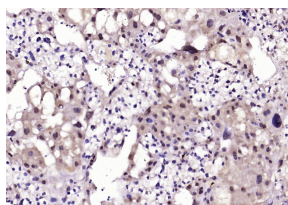
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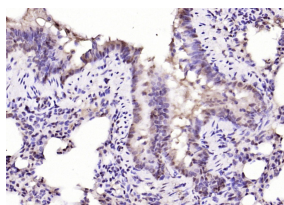
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:50-200)
Clonality: Polyclonal		
GeneID: 4776	SWISS: Q14934	
Target: NFATC4		Reactivity: Mouse, Rat (predicted: Human, Pig, Sheep, Cow, Dog, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human NF-ATc4: 475-525/902.		
Purification: affinity purified by Protein A		Predicted MW.: 95 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm ,Nucleus
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 (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.



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.

— SELECTED CITATIONS —

- **[IF=8.063]** Zhang Y et al. ASIC1a induces synovial inflammation via the Ca²⁺/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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=5.4]** Shi-Yi Lyu. et al. Multi-parameter magnetic resonance imaging of zebularine in liver fibrosis treatment and calcineurin/NFAT3 mechanism. WORLD J GASTROENTERO. 2025 May;31(20):105554 WB,IHC,IF ;Human. 40495950
- **[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