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# phospho-NFAT2 (Ser233) Rabbit pAb

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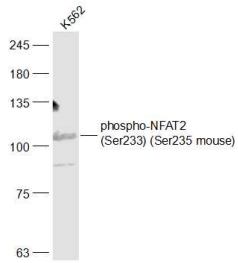
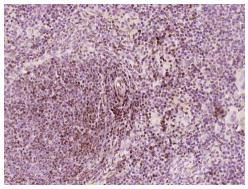
|---|---|
| Catalog Number: | bs-19785R |
| Target Protein: | phospho-NFAT2 (Ser233) |
| Concentration: | 1mg/ml |
| Form: | Liquid |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Isotype: | IgG |
| Applications: | WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500) |
| Reactivity: | Human, Rat (predicted:Mouse, Pig, Sheep, Cow) |
| Predicted MW: | 101 kDa |
| Entrez Gene: | 4772 |
| Swiss Prot: | O95644 |
| Source: | KLH conjugated synthesised phosphopeptide derived from human NFAT2 around the phosphorylation site of Ser233: LG(p-S)SP. |
| Purification: | affinity purified by Protein A |
| Storage: | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Background: | The product of this gene is a component of the nuclear factor 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. Proteins belonging to this family of transcription factors play a central role in inducible gene transcription during immune response. The product of this gene is an inducible nuclear component. It functions as a major molecular target for the immunosuppressive drugs such as cyclosporin A. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. Different isoforms of this protein may regulate inducible expression of different cytokine genes. [provided by RefSeq, Jul 2013] |

## VALIDATION IMAGES




Sample: K562(Human) Cell Lysate at 30 ug Primary: Anti-phospho-NFAT2 (Ser233) (Ser235 mouse)(bs-19785R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 101 kD Observed band size: 101 kD



Paraformaldehyde-fixed, paraffin embedded (Rat spleen); 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 (phospho-NFAT2 (Ser233) (Ser235 mouse)) Polyclonal Antibody, Unconjugated (bs-19785R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=8.109] Ling Wu. et al. Calcium Channel Blocker Nifedipine Suppresses Colorectal Cancer Progression and Immune Escape by Preventing NFAT2 Nuclear Translocation. Cell Rep. 2020 Oct;33:108327 IF,IHC ; Human . 33113363

[IF=2.7] Mengmeng Wang. et al. TRPC5 channel participates in myocardial injury in chronic intermittent hypoxia. CLINICS. 2024 Jan;79:100368 WB ; Rat . 38703717