



## NFATc2 Polyclonal Antibody

| Catalog No                                      | BYab-10731   |
|---|--|
| Isotype   | IgG  |
| Reactivity                                      | Human;Mouse;Rat  |
| Applications                                    | WB;IHC;IF;ELISA  |
| Gene Name                                       | NFATC2 NFAT1 NFATP   |
| Protein Name                                    | Nuclear factor of activated T-cells, cytoplasmic 2 (NF-ATc2) (NFATc2) (NFAT pre-existing subunit) (NF-ATp) (T-cell transcription factor NFAT1)   |
| Immunogen                                       | Synthetic peptide from human protein at AA range: 640-700  |
| Specificity                                     | The antibody detects endogenous NFATc2   |
| Formulation                                     | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| Source  | Polyclonal, Rabbit,IgG   |
| Purification                                    | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| Dilution  | IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200   |
|   |  |
| Concentration                                   | 1 mg/ml  |
| Concentration Purity                            | 1 mg/ml<br>≥90%  |
|   |  |
| Purity  | ≥90%   |
| Purity Storage Stability                        | ≥90%  -20°C/1 year  Nuclear factor of activated T-cells, cytoplasmic 2 (NF-ATc2;NFATc2;NFAT  |
| Purity Storage Stability Synonyms               | ≥90%  -20°C/1 year  Nuclear factor of activated T-cells, cytoplasmic 2 (NF-ATc2;NFATc2;NFAT pre-existing subunit;NF-ATp;T-cell transcription factor NFAT1)   |
| Purity Storage Stability Synonyms Observed Band | ≥90%  -20°C/1 year  Nuclear factor of activated T-cells, cytoplasmic 2 (NF-ATc2;NFATc2;NFAT pre-existing subunit;NF-ATp;T-cell transcription factor NFAT1)  100kD  Cytoplasm. Nucleus. Cytoplasmic for the phosphorylated form and nuclear after activation that is controlled by calcineurin-mediated dephosphorylation. Rapid nuclear exit of NFATC is thought to be one mechanism by which cells distinguish between sustained and transient calcium signals. The subcellular localization of |

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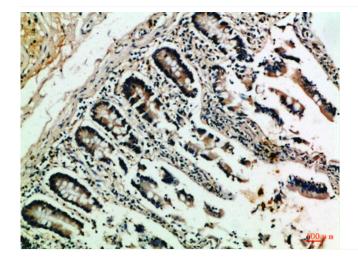


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| T-cell receptor (TCR) complex. Induced after co-addition of phorbol 12-myristate 13-acetate (PMA) and ionomycin.,PTM:In resting cells, phosphorylated by NFATC-kinase on at least 18 sites in the 99-363 region. Upon cell stimulation, all these sites except Ser-243 are dephosphorylated by calcineurin. Dephosphorylation induces a conformational change that simultaneously exposes an NLS and masks an NES, which results in nuclear localization. Simultaneously, Ser-53 or Ser-56 is phosphorylated; which is required for full   |
|--|
| This gene is a member of the nuclear factor of activated T cells (NFAT) family. The product of this gene is a DNA-binding protein with a REL-homology region (RHR) and an NFAT-homology region (NHR). This protein is present in the cytosol and only translocates to the nucleus upon T cell receptor (TCR) stimulation, where it becomes a member of the nuclear factors of activated T cells transcription complex. This complex plays a central role in inducing gene transcription during the immune response. Alternate transcriptional splice variants encoding different isoforms have been characterized. [provided by RefSeq, Apr 2012], |
| Avoid repeated freezing and thawing!   |
| This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.  |
|  |

## **Products Images**



Immunohistochemical analysis of paraffin-embedded Human-colon, antibody was diluted at 1:100

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