

## Product datasheet for **TA330164**

### NFAT4 (NFATC3) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-NFATC3 antibody: synthetic peptide directed towards the N terminal of human NFATC3. Synthetic peptide located within the following region: AVFPFQYCVETDIPLKTRKTSQDQAAILPGKLELCSDDQGSLSPARETSI
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	115 kDa
Gene Name:	nuclear factor of activated T-cells 3
Database Link:	<a href="#">NP_004546</a> <a href="#">Entrez Gene 18021 Mouse</a> <a href="#">Entrez Gene 4775 Human</a> <a href="#">Q12968</a>



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**Background:**

NFATC3 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 participate to form this complex also. NFATC3 plays a role in the regulation of gene expression in T cells and immature thymocytes. 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 participate to form this complex also. The product of this gene plays a role in the regulation of gene expression in T cells and immature thymocytes. Four transcript variants encoding distinct isoforms have been identified for this gene.

**Synonyms:**

NFAT4; NFATX

**Note:**

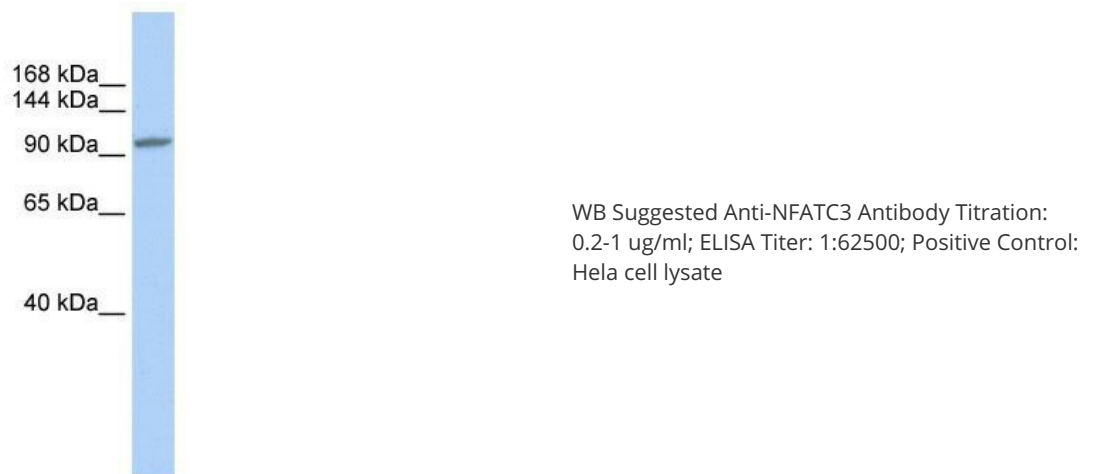
Immunogen sequence homology: Bovine: 100%; Chicken: 100%; Dog: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rat: 92%; African clawed frog: 91%

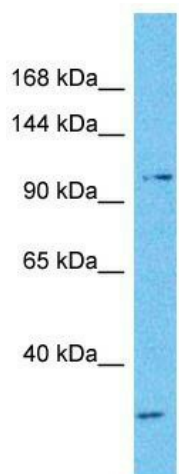
**Protein Families:**

Druggable Genome, Transcription Factors

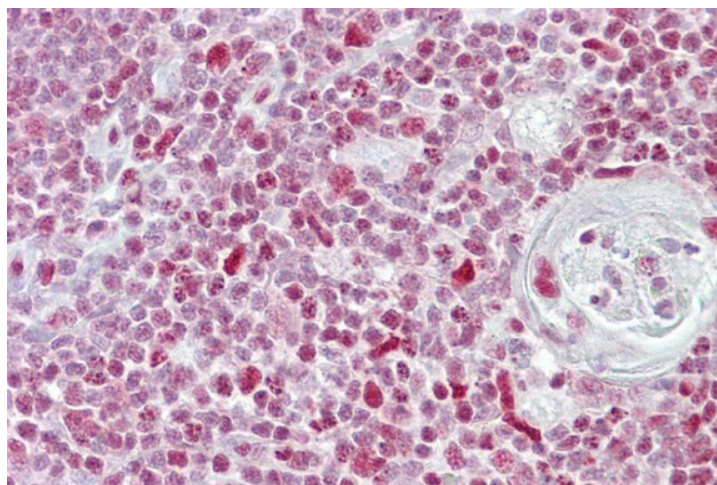
**Protein Pathways:**

Axon guidance, B cell receptor signaling pathway, Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway, VEGF signaling pathway, Wnt signaling pathway

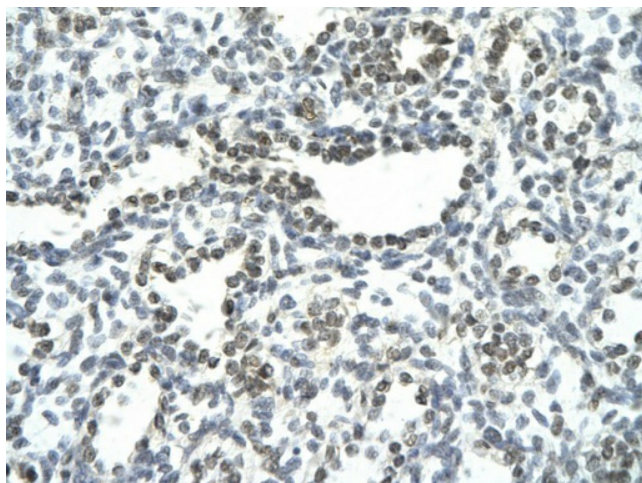
**Product images:**



Host: Rabbit; Target Name: NFATC3; Sample Tissue: Fetal Lung lysates; Antibody Dilution: 1.0ug/ml



Immunohistochemistry with Thymus tissue at an antibody concentration of 5ug/ml using anti-NFATC3 antibody (P100975\_P050)



Rabbit Anti-NFATC3 Antibody; Paraffin Embedded Tissue: Human alveolar cell; Cellular Data: Epithelial cells of renal tubule; Antibody Concentration: 4.0-8.0 ug/ml; Magnification: 400X