

ARG66800 anti-NFATc3 phospho (Ser165) antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NFATc3 phospho (Ser165)
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NFATc3
Species	Human
Immunogen	Phosphospecific peptide around Ser165 (aa. 131-180) of Human NFATc3.
Conjugation	Un-conjugated
Alternate Names	NFAT4; NFATc3; NFATx; NFATX; NF-ATc3; Nuclear factor of activated T-cells, cytoplasmic 3; T-cell transcription factor NFAT4; NF-AT4

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 110 kDa	

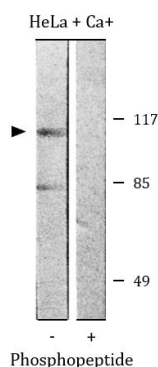
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

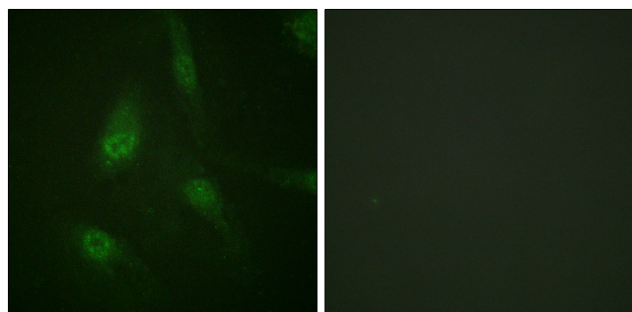
Gene Symbol	NFATC3
Gene Full Name	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3
Background	The product of this gene is a member of the nuclear factors of activated T cells DNA-binding transcription complex. This complex consists of at least two components: a preexisting cytosolic component that translocates to the nucleus upon T cell receptor (TCR) stimulation and an inducible nuclear component. Other members of this family 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. Several transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Nov 2010]
Function	Acts as a regulator of transcriptional activation. Plays a role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2 (PubMed:18815128). Along with NFATC4, involved in embryonic heart development (By similarity). [UniProt]
Calculated Mw	116 kDa
PTM	Phosphorylated by NFATC-kinase; dephosphorylated by calcineurin. [UniProt]
Cellular Localization	Cytoplasm. Nucleus. Note=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 NFATC plays a key role in the regulation of gene transcription. [UniProt]

Images



ARG66800 anti-NFATc3 phospho (Ser165) antibody WB image

Western blot: HeLa cells treated with Ca⁺ 40 nM for 30 min and stained with ARG66800 anti-NFATc3 phospho (Ser165) antibody. The lane on the right is blocked with the phospho peptide.



ARG66800 anti-NFATc3 phospho (Ser165) antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG66800 anti-NFATc3 phospho (Ser165) antibody. The picture on the right is blocked with the phospho peptide.