

产品名称: NFATc3 (phospho Ser165) Rabbit Polyclonal Antibody
产品货号: APRab05086



产品概述 (Summary)

产品名称 (Production Name)	NFATc3 (phospho Ser165) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	NFATC3
别名 (Alternative Names)	NFATC3; NFAT4; Nuclear factor of activated T-cells; cytoplasmic 3; NF-ATc3; NFATc3; NFATx; T-cell transcription factor NFAT4; NF-AT4
基因 ID (Gene ID)	4775.0
蛋白 ID (SwissProt ID)	Q12968.The antiserum was produced against synthesized peptide derived from human NFAT4 around the phosphorylation site of Ser165. AA range:131-180

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
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蛋白分子量 (Molecular Weight) 115kDa

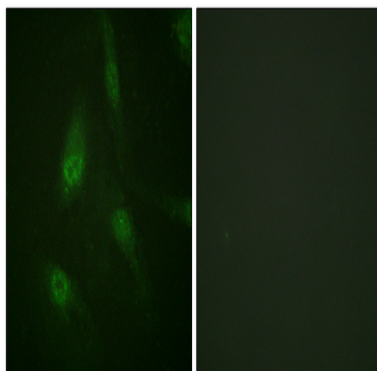
研究背景 (Background)

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],domain:Rel Similarity Domain (RSD) allows DNA-binding and cooperative interactions with AP1 factors.,function:Plays a role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2.,PTM:Phosphorylated by NFATC-kinase; dephosphorylated by calcineurin.,similarity:Contains 1 RHD (Rel-like) domain.,subcellular location: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.,subunit:Member of the multicomponent NFATC transcription complex that consists of at least two components, a pre-existing cytoplasmic component NFATC2 and an inducible nuclear component NFATC1. Other members such as NFATC4, NFATC3 or members of the activating protein-1 family, MAF, GATA4 and Cbp/p300 can also bind the complex. NFATC proteins bind to DNA as monomers.,tissue specificity:Isoform 1 is predominantly expressed in thymus and is also found in peripheral blood leukocytes and kidney. Isoform 2 is predominantly expressed in skeletal muscle and is also found in thymus, kidney, testis, spleen, prostate, ovary, small intestine, heart, placenta and pancreas. Isoform 3 is expressed in thymus and kidney. Isoform 4 is expressed in thymus and skeletal muscle.,

研究领域 (Research Area)

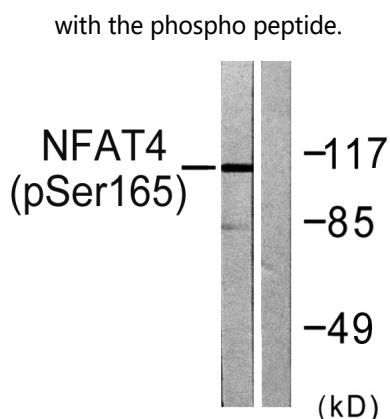
WNT;WNT-T CELL Axon guidance;VEGF;Natural killer cell mediated cytotoxicity;T_Cell_Receptor;B_Cell_Antigen;

图片 (Image Data)



Immunofluorescence analysis of HeLa cells, using NFAT4 (Phospho-Ser165) Antibody. The picture on the right is blocked

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Western blot analysis of lysates from HeLa cells treated with Ca^{2+} 40nM 30', using NFAT4 (Phospho-Ser165) Antibody.
The lane on the right is blocked with the phospho peptide.

注意事项 (Note)

For research use only .