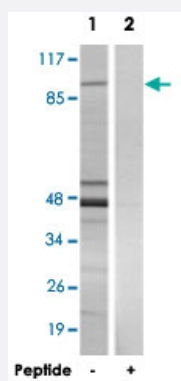


NFATC4 polyclonal antibody

Catalog # PAB18192 Size 100 ug

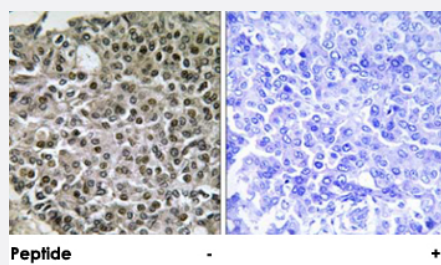
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, using NFATC4 polyclonal antibody (Cat # PAB18192).

Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using NFATC4 polyclonal antibody (Cat # PAB18192).

Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NFATC4.
Immunogen	A synthetic peptide corresponding to residues surrounding S676 of human NFATC4.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody is specific to NFATC4.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, using NFATC4 polyclonal antibody (Cat # PAB18192).
Peptide "+" means "peptide blocking".

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Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using NFATC4 polyclonal antibody (Cat # PAB18192).
Peptide "+" means "peptide blocking".

- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NFATC4

Entrez GeneID	4776
Protein Accession#	Q14934
Gene Name	NFATC4
Gene Alias	NF-ATc4, NFAT3
Gene Description	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4

Omim ID	602699
Gene Ontology	Hyperlink
Gene Summary	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 of nuclear factors of activated T cells also participate in the formation of this complex. The product of this gene plays a role in the inducible expression of cytokine genes in T cells, especially in the induction of the IL-2 and IL-4. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq]
Other Designations	T cell transcription factor NFAT3 nuclear factor of activated T-cells, cytoplasmic 4

Publication Reference

- [Global, in vivo, and site-specific phosphorylation dynamics in signaling networks.](#)

Olsen JV, Blagoev B, Gnäd F, Macek B, Kumar C, Mortensen P, Mann M.

Cell 2006 Nov; 127(3):635.

Pathway

- [Axon guidance](#)
- [B cell receptor signaling pathway](#)
- [MAPK signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)
- [VEGF signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Cardiomegaly](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Kidney Failure](#)