

Anti-NFAT4 / NFATC3 Antibody (clone 3A12)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS18179**Specification**

**Anti-NFAT4 / NFATC3 Antibody (clone 3A12) -
Product Information**

Application	IHC-P, IF, E
Primary Accession	Q12968
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b,k
Calculated MW	115594

**Anti-NFAT4 / NFATC3 Antibody (clone 3A12) -
Additional Information****Gene ID 4775**

Alias Symbol **NFATC3**
Other Names
NFATC3, NF-AT4, NFATX, NF-AT4c, NFAT4,
NF-ATc3

Target/Specificity

Human Nf-at4c

Reconstitution & Storage

Protein A purified

Precautions

Anti-NFAT4 / NFATC3 Antibody (clone 3A12)
is for research use only and not for use in
diagnostic or therapeutic procedures.

**Anti-NFAT4 / NFATC3 Antibody (clone 3A12) -
Protein Information****Name** NFATC3**Synonyms** NFAT4
{ECO:0000303|PubMed:7749981}**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:<a href="http://www.uniprot.org/c

itations/18815128" target="_blank">18815128). Along with NFATC4, involved in embryonic heart development (By similarity).

Cellular Location

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

Tissue Location

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

Anti-NFAT4 / NFATC3 Antibody (clone 3A12) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)