

Anti-NFAT4 / NFATC3 Antibody (clone 3A12)

Mouse Anti Human Monoclonal Antibody Catalog # ALS18179

Specification

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

Application
Primary Accession
Predicted
Host
Clonality
Isotype
Calculated MW

IHC-P, IF, E
O12968
Human
Mouse
Monoclonal
IgG2b,k
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 & StorageProtein A purified

Precautions

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

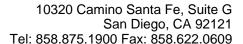
Anti-NFAT4 / NFATC3 Antibody (clone 3A12) - Protein Information

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: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
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture