

NFAT1 / NFATC2 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS13438**Specification**

NFAT1 / NFATC2 Antibody (Internal) - Product Information

Application	WB, IHC
Primary Accession	Q13469
Reactivity	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	100kDa KDa

NFAT1 / NFATC2 Antibody (Internal) - Additional Information**Gene ID** 4773**Other Names**

Nuclear factor of activated T-cells, cytoplasmic 2, NF-ATc2, NFATc2, NFAT pre-existing subunit, NF-ATp, T-cell transcription factor NFAT1, NFATC2, NFAT1, NFATP

Target/Specificity

Human NFATC2. This antibody is expected to recognize all three reported isoforms (NP_036472.2; NP_775114.1; NP_001129493.1).

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

NFAT1 / NFATC2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

NFAT1 / NFATC2 Antibody (Internal) - Protein Information**Name** NFATC2**Synonyms** NFAT1, NFATP**Function**

Plays a role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2, IL-3, IL-4, TNF-alpha or GM-CSF (PubMed:15790681). Promotes invasive migration through the activation of GPC6 expression and WNT5A signaling pathway (PubMed:21871017). Is involved in the negative regulation of chondrogenesis (PubMed:35789258).

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

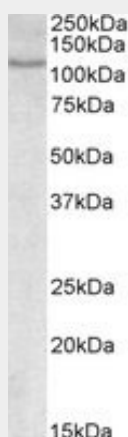
Expressed in thymus, spleen, heart, testis, brain, placenta, muscle and pancreas. Isoform 1 is highly expressed in the small intestine, heart, testis, prostate, thymus, placenta and thyroid. Isoform 3 is highly expressed in stomach, uterus, placenta, trachea and thyroid.

NFAT1 / NFATC2 Antibody (Internal) - Protocols

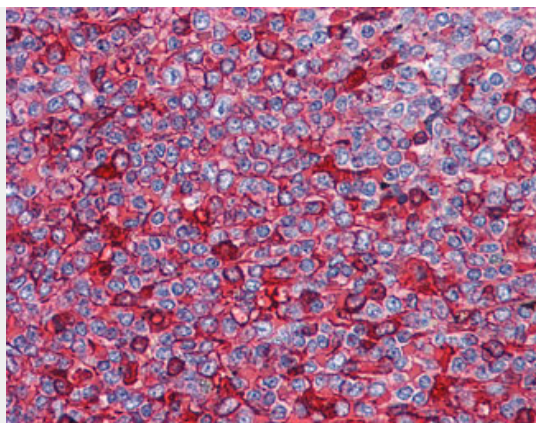
Provided below are standard protocols that you may find useful for product applications.

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

NFAT1 / NFATC2 Antibody (Internal) - Images



NFATC2 antibody (0.3 ug/ml) staining of MOLT4 lysate (35 ug protein in RIPA buffer).



Anti-NFATC2 antibody IHC of human spleen.

NFAT1 / NFATC2 Antibody (Internal) - Background

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NFAT1 / NFATC2 Antibody (Internal) - References

Luo C.,et al.Mol. Cell. Biol. 16:3955-3966(1996).
Vihma H.,et al.Genomics 92:279-291(2008).
Deloukas P.,et al.Nature 414:865-871(2001).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Crabtree G.R.,et al.Cell 96:611-614(1999).