

NFAT1 Rabbit mAb
Catalog # AP79035**Specification****NFAT1 Rabbit mAb - Product Information**

Application	WB
Primary Accession	Q13469
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	100146

NFAT1 Rabbit mAb - Additional Information**Gene ID** 4773**Other Names**
NFATC2**Dilution**
WB~~1/500-1/1000**Format**
Liquid**NFAT1 Rabbit mAb - 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). Recruited by AKAP5 to ORAI1 pore- forming subunit of CRAC channels in Ca(2+) signaling microdomains where store-operated Ca(2+) influx is coupled to calmodulin and calcineurin signaling and activation of NFAT-dependent transcriptional responses.

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 Rabbit mAb - 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 Rabbit mAb - Images



