

**NFATc2 Polyclonal Antibody**  
**Catalog # AP74206****Specification****NFATc2 Polyclonal Antibody - Product Information**

Application	IHC-P
Primary Accession	<a href="#">Q13469</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**NFATc2 Polyclonal Antibody - 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)

**Dilution**

IHC-P~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**NFATc2 Polyclonal Antibody - 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:<a href="http://www.uniprot.org/citations/15790681" target="\_blank">15790681</a>). Promotes invasive migration through the activation of GPC6 expression and WNT5A signaling pathway (PubMed:<a href="http://www.uniprot.org/citations/21871017" target="\_blank">21871017</a>). Is involved in the negative regulation of chondrogenesis (PubMed:<a href="http://www.uniprot.org/citations/35789258" target="\_blank">35789258</a>). 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

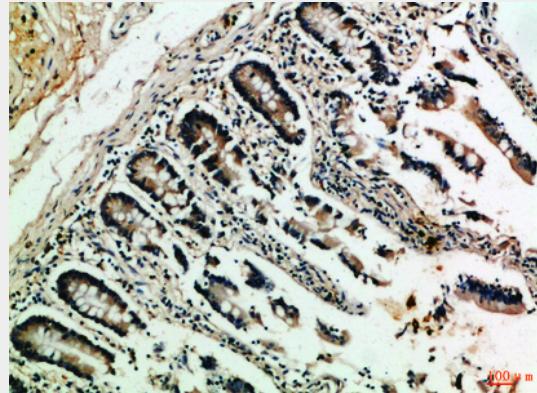
Expressed in thymus, spleen, heart, testis, brain, placenta, muscle and pancreas. Isoform 1 is highly expressed in the small intestine, heart, testis, prostate, thymus, placenta and thyroid. Isoform 3 is highly expressed in stomach, uterus, placenta, trachea and thyroid.

#### NFATc2 Polyclonal Antibody - 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](#)

#### NFATc2 Polyclonal Antibody - Images



Immunohistochemical analysis of paraffin-embedded Human-colon, antibody was diluted at 1:100

#### NFATc2 Polyclonal Antibody - Background

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