

Nfatc2 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14357**Specification**

Nfatc2 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q60591
Other Accession	NM_001037178 , NP_001032255
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49kDa kDa

Nfatc2 antibody - N-terminal region - Additional Information**Gene ID** 18019**Alias Symbol** AI607462, NFAT1, NFAT1-D, Nfatp, NF-ATc2**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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Nfatc2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Nfatc2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Nfatc2 antibody - N-terminal region - 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. Promotes invasive migration through the activation of GPC6 expression and WNT5A signaling pathway (By similarity). Is involved in the negative regulation of chondrogenesis (PubMed:<a href="http://www.uniprot.org/citations/10620601"

target="_blank">10620601).

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

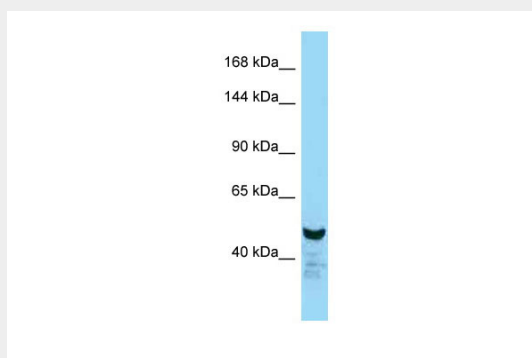
Expressed in spleen, heart, testis, brain, placenta, muscle and pancreas (PubMed:18675896). Expressed in the thymus (PubMed:18675896, PubMed:17579027). Expressed in the lung (PubMed:17579027). Expressed in cartilage (PubMed:10620601)

Nfatc2 antibody - N-terminal region - 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 antibody - N-terminal region - Images



WB Suggested Anti-Nfatc2 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Liver

Nfatc2 antibody - N-terminal region - References

McCaffrey P.G.,et al.Science 262:750-754(1993).
Luo C.,et al.Mol. Cell. Biol. 16:3955-3966(1996).
Plyte S.,et al.J. Biol. Chem. 276:14350-14358(2001).
Vihma H.,et al.Genomics 92:279-291(2008).
Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).