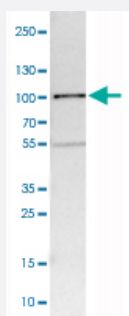


NFATC2 polyclonal antibody

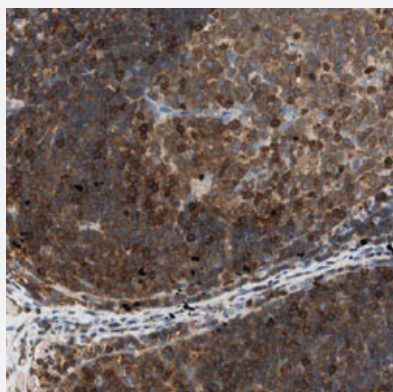
Catalog # PAB31405 Size 100 uL

Applications



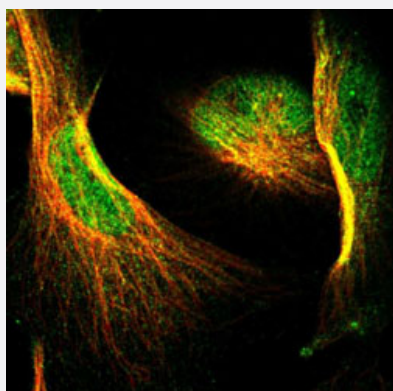
Western Blot (Tissue lysate)

Western Blot analysis of human liver tissue lysate with NFATC2 polyclonal antibody (Cat # PAB31405).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lymph node with NFATC2 polyclonal antibody (Cat # PAB31405) shows strong cytoplasmic positivity in germinal center cells and non-germinal center cells.



Immunofluorescence

Immunofluorescent staining of U-251 MG cells with NFATC2 polyclonal antibody (Cat # PAB31405) (Green) shows localization to nucleoplasm and cytosol.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human NFATC2.
Immunogen	Recombinant protein corresponding to human NFATC2.
Sequence	DFSILFDYELNPNEEEPNAHKVASPPSGPAYPDDVLDYGLKPYSPLASLSGEPPGRFGEPDRV GPQKFLSAAKPAGASGLSPRIETPSHELIQAVGPLRMRDAGLLVEQPPLAGVAASPRFTLPV
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western Blot analysis of human liver tissue lysate with NFATC2 polyclonal antibody (Cat # PAB31405).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lymph node with NFATC2 polyclonal antibody (Cat # PAB31405) shows strong cytoplasmic positivity in germinal center cells and non-germinal center cells.

- Immunofluorescence

Immunofluorescent staining of U-251 MG cells with NFATC2 polyclonal antibody (Cat # PAB31405) (Green) shows localization to nucleoplasm and cytosol.

Gene Info — NFATC2

Entrez GeneID	4773
Protein Accession#	Q13469
Gene Name	NFATC2
Gene Alias	KIAA0611, NFAT1, NFATP
Gene Description	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2
Omim ID	600490
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the nuclear factor of activated T cells (NFAT) family. The product of this gene is a DNA-binding protein with a REL-homology region (RHR) and an NFAT-homology region (NHR). This protein is present in the cytosol and only translocates to the nucleus upon T cell receptor (TCR) stimulation, where it becomes a member of the nuclear factors of activated T cells transcription complex. This complex plays a central role in inducing gene transcription during the immune response. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]
Other Designations	NFAT pre-existing subunit NFAT transcription complex, preexisting component OTTHUMP0000031291 T cell transcription factor NFAT1 nuclear factor of activated T-cells, cytoplasmic 2 nuclear factor of activated T-cells, preexisting component preexisting nucl

Publication Reference

- [Galanin modulates the neural niche to favour perineural invasion in head and neck cancer.](#)

Scanlon CS, Banerjee R, Inglehart RC, Liu M, Russo N, Hariharan A, van Tubergen EA, Corson SL, Asangani IA, Mistretta CM, Chinnaiyan AM, D' Silva NJ.

Nature Communications 2015 Apr; 6:6885.

Application: WB-Ce, WB-Tr, Human, HOK, OSCC3, UM-SCC cells

- [The calcineurin/NFAT pathway is activated in diagnostic breast cancer cases and is essential to survival and metastasis of mammary cancer cells.](#)

Quang CT, Leboucher S, Passaro D, Fuhrmann L, Nourieh M, Vincent-Salomon A, Ghysdael J.

Cell Death & Disease 2015 Feb; 6(2):e1658.

Application: ChIP, IHC-P, WB-Tr, Human, Mouse, 4T1 cells, Human breast cancer, Human tissue microarray, Mouse tumors

Pathway

- [Axon guidance](#)

- [B cell receptor signaling pathway](#)
- [MAPK signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)
- [VEGF signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Narcolepsy](#)
- [Tobacco Use Disorder](#)