Product **Datasheet**

# Anti-NFATc1 Rabbit pAb

**WL01632**

For Research Use Only.Not For Use In Diagnostic Procedures

## Product Information

| | | |
|---|---|---|
| **Product name** | Anti-NFATc1 Rabbit pAb | |
| **Source** | Rabbit | |
| **Species reactivity** | Human, Mouse, Rat | |
| **Tested applications** | WB | 1:1000-1:2000 |
| | IHC | 1:100-1:300 |
| **Cellular localization** | Cytoplasm | |
| **Pack size** | 50/100/200/500/1000μl | |
| **Storage** | Store at -20°C. Avoid freeze/thaw cycles. | |
| **Storage buffer** | Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide | |

## General Information

**Background**

NFAT proteins are widely expressed and alternatively modified to generate splice variants, and they are localized to both the cytosol (NFATc) and to the nucleus (NFATn). NFATc1 (NFATc), NFATc2 (NFATp) and NFATc3 (NFAT4, NFSTx) are predominantly expressed in immune cells, and NFAT2 and NFATc4 are expressed at high levels in cardiac tissues. The NFAT (nuclear factor of activated T cells) family of proteins consists of NFAT1 (NFATc2 or NFATp), NFAT2 (NFATc1 or NFATc), NFAT3 (NFATc4), and NFAT4 (NFATc3 or NFATx).In resting cells, NFAT proteins are heavily phosphorylated and localized in the cytoplasm. Increased intracellular calcium concentrations activate the calcium/calmodulin-dependent serine phosphatase calcineurin, which dephosphorylates NFAT proteins, resulting in their subsequent translocation to the nucleus.

**Immunogen**

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of NFATc1.

**Purification**

Polyclonal antibody was purified by protein A affinity chromatography.



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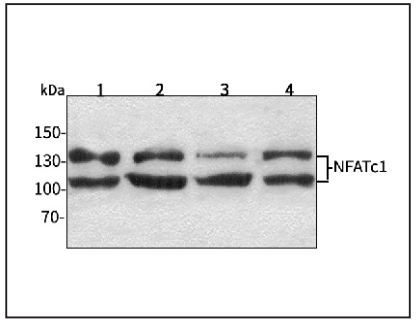
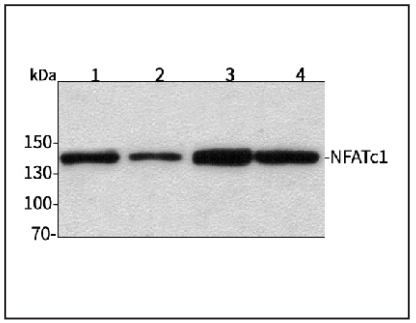
## Product Images



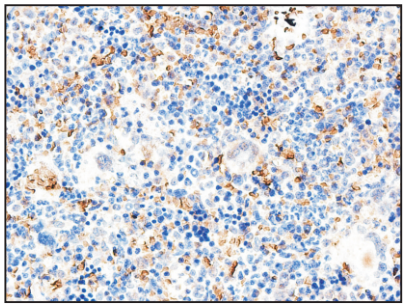

**Western blot-Anti-NFATc1 pAb**

**Lane 1:** Human HepG2 cell lysate
**Lane 2:** Human Hela cell lysate
**Lane 3:** Human BGC-823 cell lysate
**Lane 4:** Human MGC-803 cell lysate
**All lanes:** Anti-NFATc1 at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 110,140 kDa
Observed band size: 110,140 kDa




**Western blot-Anti-NFATc1 pAb**

**Lane 1:** Mouse testicle tissue lysate
**Lane 2:** Mouse brain tissue lysate
**Lane 3:** Rat liver tissue lysate
**Lane 4:** Rat heart tissue lysate
**All lanes:** Anti-NFATc1 at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 110,140 kDa
Observed band size: 110,140 kDa



**Immunohistochemistry-Anti-NFATc1 pAb**

Immunohistochemical analysis of paraffin-embedded rat spleen using anti-NFATc1 Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

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