

NFAT1(Phospho-Ser53) Antibody

Catalog No: #62089

Package Size: #62089 100ul

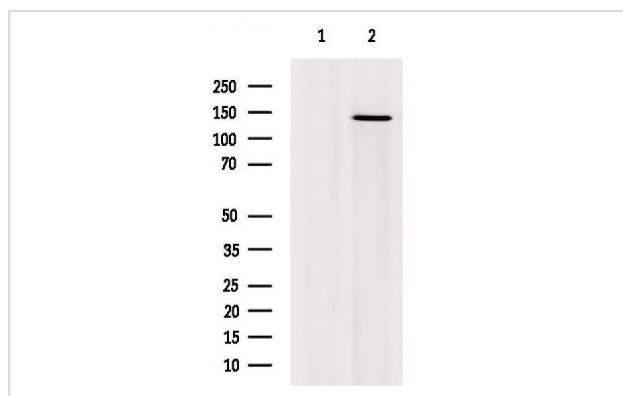
Description

Product Name	NFAT1(Phospho-Ser53) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	Human
Specificity	The antibody detects endogenous level of NFAT1 only when phosphorylated at serine 53.
Immunogen Type	Peptide
Immunogen Description	A synthesized peptide derived from human NFAT1 around the phosphorylation site of Ser53.
Conjugates	Unconjugated
Target Name	NFATC2
Calculated MW	100kDa
Concentration	1mg/ml
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB 1:500-1:2000

Images



All lanes : NFAT1(Phospho-Ser53) Antibody at 1/1K dilution
 Lane 1 : treated with blocking peptide
 Lane 2 : Hela cells(heat shock treatment) lysates
 Lysates/proteins at 20 ug per lane.
 Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution
 Predicted band size: 100 kDa Observed band size: 100-150 kDa
 Exposure time: 4 seconds

Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.