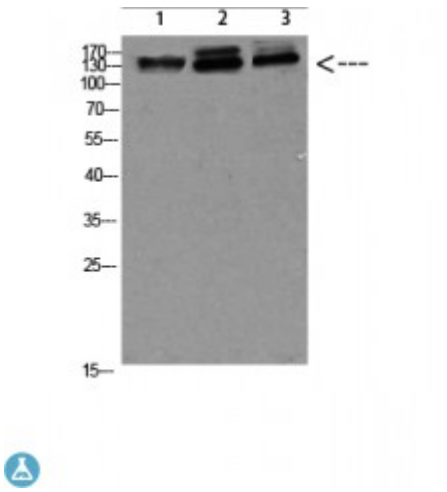
Anti-NFAT5 antibody



Description	Rabbit polyclonal to NFAT5.

Model	STJ98961
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthetic peptide from human NFAT5 protein.
Immunogen Region	212-284 aa
Gene ID	10725
Gene Symbol	NFAT5
Dilution range	WB 1:500-2000ELISA 1:10000-20000
Specificity	The antibody detects endogenous NFAT5.
Tissue Specificity	Widely expressed, with highest levels in skeletal muscle, brain, heart and peripheral blood leukocytes.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Nuclear factor of activated T-cells 5 NF-AT5 T-cell transcription factor NFAT5 Tonicity-responsive enhancer-binding protein TonE-binding protein TonEBP
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:7774OMIM:604708
Alternative Names	Nuclear factor of activated T-cells 5 NF-AT5 T-cell transcription factor NFAT5 Tonicity-responsive enhancer-binding protein TonE-binding protein TonEBP
Function	Transcription factor involved, among others, in the transcriptional regulation of osmoprotective and inflammatory genes. Mediates the transcriptional response to hypertonicity . Positively regulates the transcription of LCN2 and S100A4 genes; optimal transactivation of these genes requires the presence of DDX5/DDX17 . Binds the DNA consensus sequence 5'-[ACT][AG]TGGAAA[CAT]A[TA][ATC][CA][ATG][GT][GAC][CG][CT]-3' .
Cellular Localization	Nucleus Cytoplasm. Nuclear distribution increases under hypertonic conditions.
Post-translational Modifications	Phosphorylated . Phosphorylated at Thr-135 by CDK5 in response to osmotic stress; this phosphorylation mediates its rapid nuclear localization .