

Goat anti-NFATC2 / NFAT1 Antibody

Item Number	dAP-1897
Target Molecule	Principle Name: NFATC2 / NFAT1; Official Symbol: NFATC2; All Names and Symbols: NFATC2; nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2; KIAA0611; NFAT1; NFATP; NFAT pre-existing subunit; NFAT transcription complex, preexisting component; OTTHUMP00000031291; T cell transcription factor NFAT1; nuclear factor ; Accession Number (s): NP_036472.2; NP_775114.1; NP_001129493.1; Human Gene ID(s): 4773; Non-Human GeneID(s): 140488 (mouse) 312320 (rat)
Immunogen	QQFRTGLSSPDARYQ, is from internal region This antibody is expected to recognize all three reported isoforms (NP_036472.2; NP_775114.1; NP_001129493.1).
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	Western Blot: Approx 110kDa band observed in Human lysates of cell line MOLT4 (calculated MW of 100kDa according to NP_775114.1). Recommended concentration: 0.3-1µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Spleen shows nuclear membrane and weaker cytoplasm staining in select splenocytes. Recommended concentration, 3-6µg/ml.
Reference	Reference(s): Celil Aydemir AB, Lee S, Won Kim D, Gardner TR, Prince D, Mok Ahn J, Young-In Lee F, Nuclear factor of activated T cell mediates proinflammatory gene expression in response to mechanotransduction. Ann. N. Y. Acad. Sci. 2007 Nov 1117 : 138-42..PMID: 17584983->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**