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DATA SHEET

Goat anti-NFATC3 / NFAT4 Antibody

Item Number	dAP-3141

Target Molecule

Principle Name: NFATC3 / NFAT4; Official Symbol: NFATC3; All Names and Symbols: NFATC3; nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3; NFAT4; NFATX; T cell transcription factor NFAT4; nuclear factor of activated T-cells c3 isoform IE-Xa; nuclear factor of activated T-cells, cytoplasmic 3; Accession Number (s): NP_775188.1; NP_004546.1; NP_775186.1; NP_775187.1; Human Gene ID(s): 4775; Non-Human GeneID(s):

Immunogen

HQELDAHEDDLQIN, is from internal region (near N Terminus)
This antibody is expected to recognize all four reported isoforms (NP_775188.1; NP_004546.1; NP_775186.1; NP_775187.1).

Applications

Pep ELISA, WB

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; Reconsititute 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 16000.

Western Blot

Western Blot: Approx 150kDa band observed in nuclear lysates of cell line Jurkat (calculated MW of 116kDa according to NP_775188.1). The observed molecular weight corresponds to earlier findings with different antibodies from other commercial sources. Re

IHC

Reference

Reference(s): Amasaki Y, Adachi S, Ishida Y, Iwata M, Arai N, Arai K, Miyatake S, A constitutively nuclear form of NFATx shows efficient transactivation activity and induces differentiation of CD4(+)CD8(+) T cells. J. Biol. Chem. 2002 Jul 277 (28): 25640-8..PMID: 11997392->

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