

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB09504 - Goat Anti-NFATC3 / NFAT4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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

Official Symbol: NFATC3

Accession Number(s): NP_775188.1; NP_004546.1; NP_775186.1; NP_775187.1

Human GeneID(s): 4775

Important Comments: This antibody is expected to recognize all four reported isoforms

(NP_775188.1; NP_004546.1; NP_775186.1; NP_775187.1).

Immunogen

Peptide with sequence C-HQELDAHEDDLQIN, from the internal region (near N Terminus) of the protein sequence according to NP_775188.1; NP_004546.1; NP_775186.1; NP_775187.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Approx 150kDa band observed in nuclear lysates of cell line Jurkat (calculated MW of 116kDa according to NP_775188.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.03-0.1µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Dog, Cow

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa

EB09504 ($0.03\mu g/ml$) staining of Jurkat nuclear lysate ($35\mu g$ protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.