

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09503 - Goat Anti-NFATC2 / NFAT1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** 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 of activated T-cells, cytoplasmic 2, nuclear factor of activated T-cells, preexisting component, preexisting nuclear factor of activated T-cells 2

**Official Symbol:** NFATC2

**Accession Number(s):** NP\_036472.2; NP\_775114.1; NP\_001129493.1

**Human GeneID(s):** [4773](#)

**Non-Human GeneID(s):** 140488 (mouse), 312320 (rat)

**Important Comments:** This antibody is expected to recognize all three reported isoforms (NP\_036472.2; NP\_775114.1; NP\_001129493.1).

### Immunogen

Peptide with sequence C-QQFRTGLSSPDARYQ, from the internal region of the protein sequence according to NP\_036472.2; NP\_775114.1; NP\_001129493.1.

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 1:64000.

**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:** In paraffin embedded Human Spleen shows nuclear membrane and weaker cytoplasm staining in select splenocytes. Recommended concentration, 3-6µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow

EB09503 (0.3µg/ml) staining of MOLT4 lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.

EB09503 (3.8µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer  
pH 6, AP-staining.