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

EB07379 - Goat Anti-STAT3 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: STAT3, signal transducer and activator of transcription 3 (acute-phase response factor), APRF, FLJ20882, MGC16063, DNA-binding protein APRF, acute-phase response factor, signal transducer and activator of transcription 3

Official Symbol: STAT3

Accession Number(s): NP_644805.1; NP_003141.2; NP_998827.1

Human GeneID(s): [6774](#)

Non-Human GeneID(s): 20848 (mouse), 25125 (rat)

Important Comments: This antibody is expected to recognise all three reported isoforms (NP_644805.1, NP_003141.2 and NP_998827.1).

Immunogen

Peptide with sequence CRPESQEHPADP, from the internal region of the protein sequence according to NP_644805.1; NP_003141.2; NP_998827.1.

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 85kDa band observed in lysates of cell line LNCaP, and approx. 90kDa in Mouse Heart lysates (calculated MW of 83.1kDa according to Human NP_998827.1 and 88.1kDa according to Mouse : NP_998824.1). Recommended concentration: 0.5-3µg/ml. Primary incubation 1 hour. at room temperature.

IHC: Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.

Flow Cytometry: Flow cytometric analysis of K562 cells. Recommended concentration: 10µg/ml

Species Reactivity

Tested: Human, Mouse

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

EB07379 (3µg/ml) staining of LNCaP cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07379 (0.5µg/ml) staining of Mouse Heart lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07379 (5µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB07379 Flow cytometric analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.