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Research Use Only. Not for diagnostic or therapeutic use.

EB07379-T - Goat Anti-STAT3 Antibody - Trial

Size: 20µg specific antibody in 40µl



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 GenelD(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 CRPESQEHPEADP, 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 90kDa band observed in Human Heart lysates (calculated MW of 88.1kDa according to NP_644805.1 and of NP_003141.2). Recommended concentration: 1-3µg/ml.

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

Species Reactivity

Tested: Human

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

250kDa 150kDa 100kDa 75kDa

50kDa

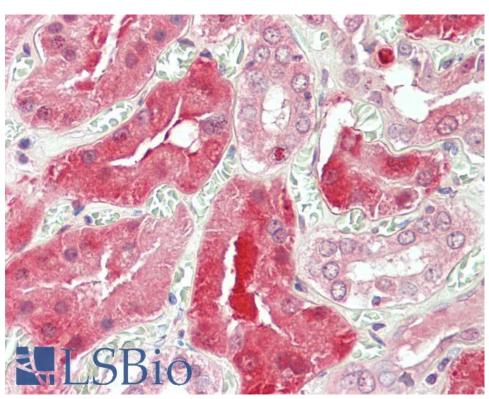
37kDa

25kDa

20kDa

15kDa

EB07379 (1 μ g/ml) staining of Human Heart lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



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