

Goat anti-STAT3 Antibody

Item Number	dAP-0914
Target Molecule	Principle Name: STAT3; Official Symbol: STAT3; All Names and Symbols: 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; Accession Number (s): NP_644805.1; NP_003141.2; NP_998827.1; Human Gene ID(s): 6774; Non-Human GeneID (s): 20848 (mouse) 25125 (rat)
Immunogen	CRPESQEHPEADP, is from internal region This antibody is expected to recognise all three reported isoforms (NP_644805.1, NP_003141.2 and NP_998827.1).
Applications	Pep ELISA, WB, IHC 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; Reconstitute 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 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	Immunohistochemistry: Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.
Reference	Reference(s): Palmqvist L, Glover CH, Hsu L, Lu M, Bossen B, Piret JM, Humphries RK, Helgason CD. Correlation of murine embryonic stem cell gene expression profiles with functional measures of pluripotency. Stem Cells. 2005 May;23(5):663-80. .PMID: 15849174 ->

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**