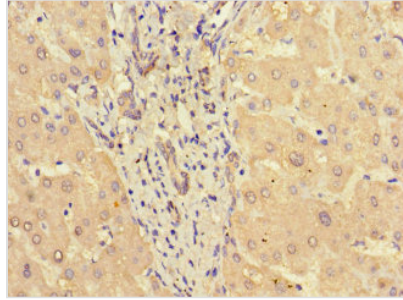


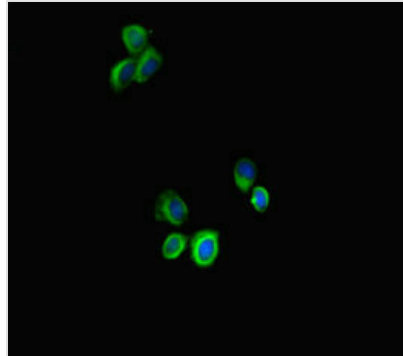


STAT3 Antibody

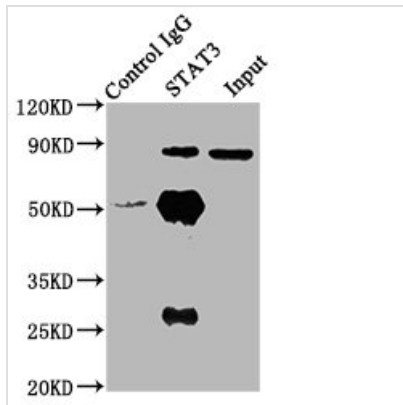
Product Code	CSB-PA022812LA01HU
Abbreviation	Signal transducer and activator of transcription 3
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P40763
Immunogen	Recombinant Human Signal transducer and activator of transcription 3 protein (50-240AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, IHC, IF, IP; Recommended dilution: IHC:1:20-1:200, IF:1:50-1:500, IP:1:200-1:2000
Relevance	Signal transducer and transcription activator that mediates cellular responses to interleukins, KITLG/SCF, LEP and other growth factors. Once activated, recruits coactivators, such as NCOA1 or MED1, to the promoter region of the target gene (PubMed:17344214). May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4. Binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acute-phase protein genes. Activated by IL31 through IL31RA. Involved in cell cycle regulation by inducing the expression of key genes for the progression from G1 to S phase, such as CCND1 (PubMed:17344214). Mediates the effects of LEP on melanocortin production, body energy homeostasis and lactation (By similarity). May play an apoptotic role by transactivating BIRC5 expression under LEP activation (PubMed:18242580). Cytoplasmic STAT3 represses macroautophagy by inhibiting EIF2AK2/PKR activity.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG
Clonality	Polyclonal
Alias	Signal transducer and activator of transcription 3 (Acute-phase response factor), STAT3, APRF
Immunogen Species	Homo sapiens (Human)
Research Area	Signal Transduction
Target Names	STAT3
Image	



Immunohistochemistry of paraffin-embedded human liver tissue using CSB-PA022812LA01HU at dilution of 1:100



Immunofluorescent analysis of HepG2 cells using CSB-PA022812LA01HU at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunoprecipitating STAT3 in HeLa whole cell lysate

Lane 1: Rabbit control IgG (1 μ g) instead of CSB-PA022812LA01HU in HeLa whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)

Lane 2: CSB-PA022812LA01HU (6 μ g) + HeLa whole cell lysate (500 μ g)

Lane 3: HeLa whole cell lysate (10 μ g)