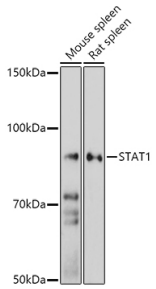
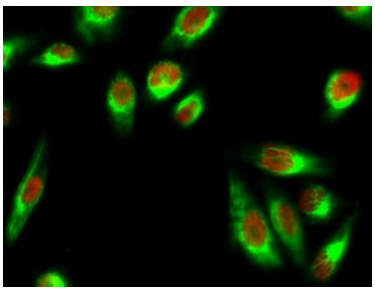
Product Data Sheet:
STAT 1 Rabbit Polyclonal Antibody

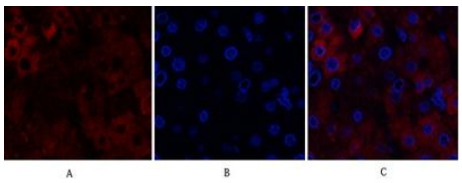
Cat. No:	AB-81448
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human STAT1. AA range:694-743
Reactivity:	Human;Mouse;Rat;Chicken
Applications:	Western Blot: 1/500 – 1/2000. Immunofluorescence: 1:50-200 Immunohistochemistry: 1/100 – 1/300 IP: 1/200.
Molecular Weight:	87kD
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Synonyms:	STAT1; Signal transducer and activator of transcription 1-alpha/beta; Transcription factor ISGF-3 components p91/p84
Background:	The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described.
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage:	Store at -20°C. Avoid repeated freeze-thaw cycles.



Western blot analysis of extracts of various cell lines, using STAT1 antibody

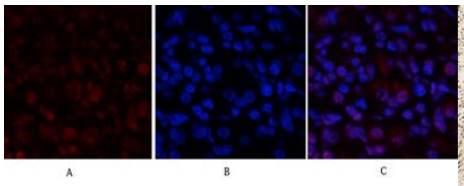


Immunofluorescence analysis of Hela cell. 1,Stat1 Polyclonal Antibody(red)



Immunofluorescence analysis of human-liver tissue.
1,Stat1 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight).
2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature,

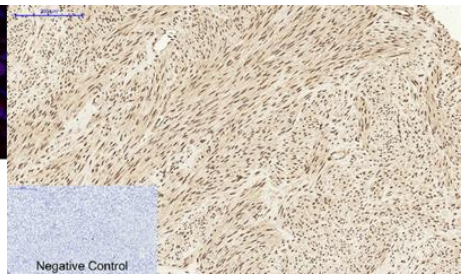
at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL West Pico Plus.
Exposure time: 180.



Immunofluorescence analysis of human-stomach tissue.
1,Stat1 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight).
2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).
3, Picture B: DAPI(blue) 10min.
Picture A:Target. Pic

was diluted at 1:200(4° overnight).
p53 Monoclonal Antibody(6C4)(green) was diluted at 1:200(4° overnight).
2, Goat Anti Rabbit Alexa Fluor 594 1 was diluted at 1:1000

50min).
3, Picture B: DAPI(blue) 10min.
Picture A:Target.
Picture B: DAPI.
Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded Human-uterus tissue.
1,Stat1 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min).
3,Secondary antibody was diluted at 1:200(room tempeRature, 30min).
Negative control was used by secondary antibody only.