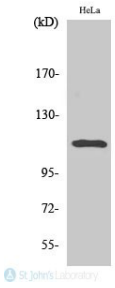
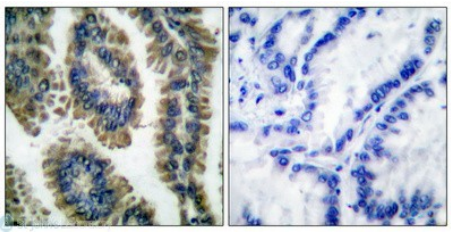
Product Data Sheet: Phospho-Stat2 (Y690)

Cat. No:	ABP-0284
Conjugate:	Unconjugated
Size:	100 ug
Clone:	Poly
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Synthesized peptide derived from human Stat2 around the phosphorylation site of Y690.
Reactivity:	Hu, Rt
Applications:	Western Blot: 1:500-1:2000 Immunohistochemistry: 1:100-1:300 ELISA: 1:20000
Molecular Weight:	113 kDa
Purification:	The antibody was affinity-purified from rabbit antiserum by affinitychromatography using epitope-specific immunogen
Background:	Signal transducer and activator of transcription that mediates signaling by type I IFNs (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize, associate with IRF9/ISGF3G to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of interferon stimulated genes, which drive the cell in an antiviral state . Acts as a regulator of mitochondrial fission by modulating the phosphorylation of DNM1L at ‘Ser-616’ and ‘Ser-637’ which activate and inactivate the GTPase activity of DNM1L respectively .Phospho-Stat2 (Y690) Polyclonal Antibody detects endogenous levels of Stat2 protein only when phosphorylated at Y690.
Form:	liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage:	Store at -20°C, and avoid repeat freeze-thaw cycles.



Western Blot (WB) analysis of specific cells using Phospho-Stat2 (Y690) polyclonal antibody.



Immunohistochemical analysis of paraffin-embedded human lung cancer. Antibody was diluted at 1:100 (4°C, overnight). High-pressure and temperature Tris-EDTA, pH8.0 was used for antibody retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

web-site: https://.immunologicalsciences.com - e-mail: info@immunologicalsciences.com