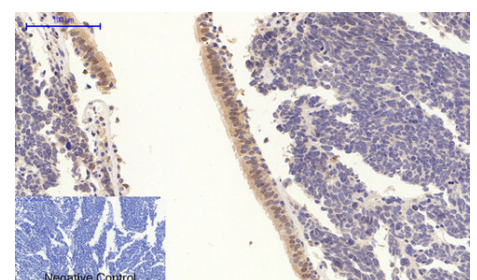
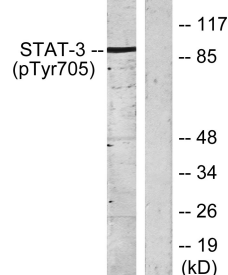
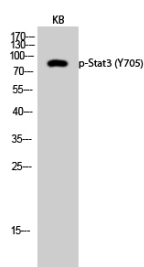


Cat. No:	ABP-6041
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human STAT3 around the phosphorylation site of Tyr705. AA range:672-721
Reactivity:	Human; Mouse; Rat
Applications:	Western Blot: 1/500 - 1/2000 Immunofluorescence: 1:50-200 Immunohistochemistry: 1/100 - 1/300. Immunoprecipitation: 2-5 ug/mg lysate ELISA: 1/20000
Molecular Weight:	88kD
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Synonyms:	STAT3; APRF; Signal transducer and activator of transcription 3; Acute-phase response factor
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 is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper
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.

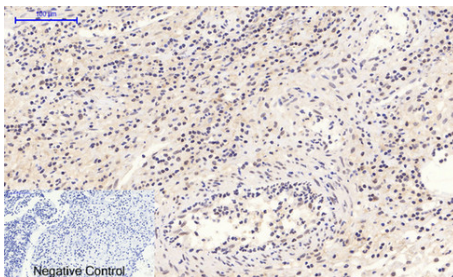


Western Blot analysis of KB cells using Phospho-Stat3 (Y705) Polyclonal Antibody diluted at 1:2000

Western blot analysis of lysates from HeLa cells, using STAT3 (Phospho-Tyr705) Antibody. The lane on the right is blocked with the phospho peptide.

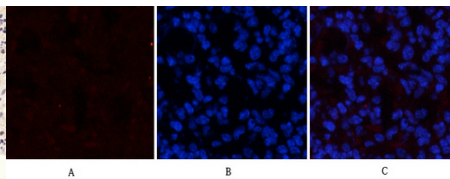
Immunohistochemical analysis of paraffin-embedded Human-lung-cancer tissue.

- 1, Stat3 (phospho Tyr705) 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.



Immunohistochemical analysis of paraffin-embedded Human-Appendix tissue.

- 1, Stat3 (phospho Tyr705) 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.



Immunofluorescence analysis of mouse-spleen tissue.

- 1, Stat3 (phospho Tyr705) Polyclonal Antibody (red) was diluted at 1:200(4°C, overnight).
 - 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).
 - 3, Picture B: DAPI (blue) 10min.
- Picture A: Target.
Picture B: DAPI.
Picture C: merge of A+B