

anti- STAT3 antibody

Product Information

Catalog No.:	FNab08299
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3 , -20°C for 24 months (Avoid repeated freeze / thaw cycles.)

Background

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.

Immunogen information

Immunogen:	signal transducer and activator of transcription 3(acute-phase response factor)
Synonyms:	Acute phase response factor, APRF, HIES, STAT3
Observed MW:	88 kDa
Uniprot ID :	P40763

Wuhan Fine Biotech Co., Ltd.

B9 Bld, High-Tech Medical Devices Park, No. 818 Gaoxin Ave. East Lake High-Tech Development Zone. Wuhan, Hubei, China(430206)

Tel : (0086)027-87384275

Fax: (0086)027-87800889

www.fn-test.com

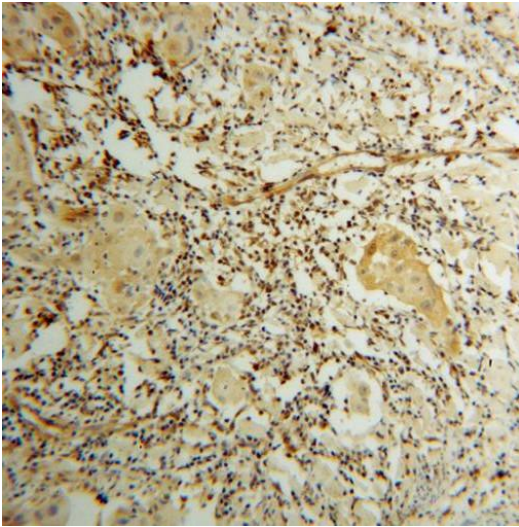
Application

Reactivity: Human, Mouse, Rat

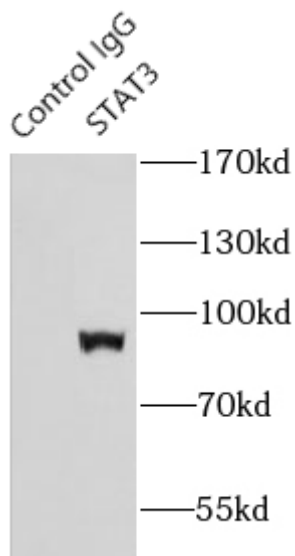
Tested Application: ELISA, WB, IHC, IP

Recommended dilution: WB: 1:1000-1:4000; IP: 1:1000-1:4000; IHC: 1:50-1:500; IF: 1:10-1:100

Image:



Immunohistochemistry of paraffin-embedded human cervical cancer using FNab08299(STAT3 antibody) at dilution of 1:100



IP Result of anti-STAT3 (IP: FNab08299, 3ug; Detection: FNab08299 1:2000) with HeLa cells lysate 3000ug.

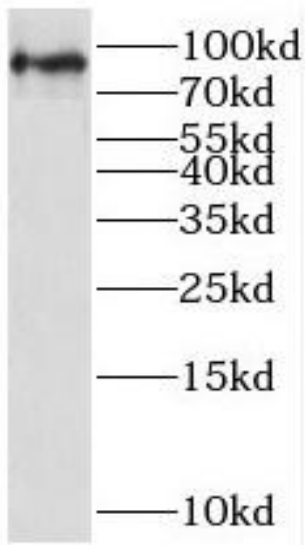
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K-562 cells were subjected to SDS PAGE followed by western blot with FNab08299(STAT3 antibody) at dilution of 1:500