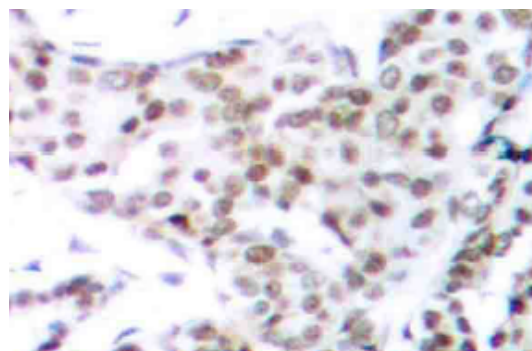


AP20907PU-N**Polyclonal Antibody to STAT3 pSer727 - Aff - Purified**

Alternate names:	APRF, Acute-phase response factor, STAT-3, Signal transducer and activator of transcription 3
Quantity:	0.1 mg
Concentration:	1,0 mg/ml
Background:	Membrane receptor signaling by various ligands, including interferons and growth hormones such as EGF, induces activation of JAK kinases which then leads to tyrosine phosphorylation of the various Stat transcription factors. Stat1 and Stat2 are induced by IFN-alpha and form a heterodimer which is part of the ISGF3 transcription factor complex. Although early reports indicate Stat3 activation by EGF and IL-6, it has been shown that Stat3beta appears to be activated by both while Stat3alpha is activated by EGF, but not by IL-6. Highest expression of Stat4 is seen in testis and myeloid cells. IL-12 has been identified as an activator of Stat4. Stat5 has been shown to be activated by prolactin and by IL-3. Stat6 is involved in IL-4 activated signaling pathways.
Uniprot ID:	P40763
NCBI:	NP_003141
GeneID:	6774
Host:	Rabbit
Format:	State: Liquid purified Ig fraction Purification: Affinity chromatography (> 95% (by SDS-PAGE) Buffer System: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.
Applications:	Western Blot: 1/500 - 1/1000. Immunohistochemistry: 1/50 - 1/200 Immunoprecipitation: Use at an assay dependent dilution Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	p-Stat3 (pSer727) antibody detects endogenous levels of p-Stat3 protein. Species: Human, Mouse, Rat. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Immunohistochemistry (IHC) analyzes of p-STAT3 (pSer727) pAb in paraffin-embedded human breast carcinoma tissue.



Western blot (WB) analysis of p-STAT3 (pSer727) pAb in extracts from HeLa cells.

