

Phospho-Stat3-S727 pAb

Catalog No.	AP0474	Category	Phosphorylated Antibodies
Applications	WB, IHC, IP	Observed MW	86kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	83kDa/87kDa/88kDa

Immunogen Information

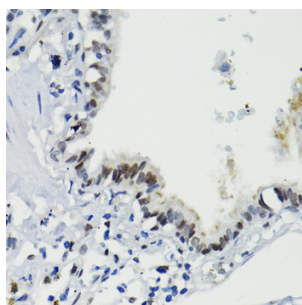
Immunogen	A synthetic phosphorylated peptide around S727 of human Stat3 (NP_644805.1).
Gene ID	6774
Swiss prot	P40763
Synonyms	STAT3; ADMIO; ADMIO1; APRF; HIES; signal transducer and activator of transcription 3

Product information

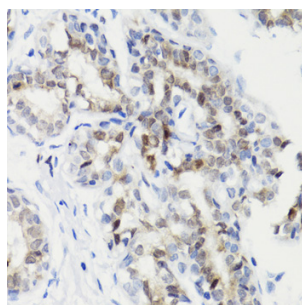
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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-immunoglobulin E syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.



Immunohistochemistry - Phospho-Stat3-S727 pAb (AP0474)



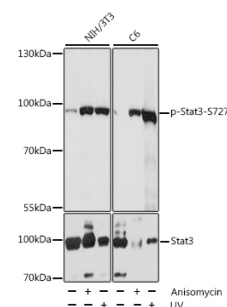
Immunohistochemistry - Phospho-Stat3-S727 pAb (AP0474)

Recommended Dilutions

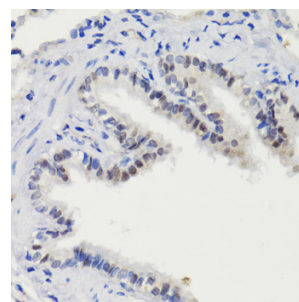
WB 1:500 -
1:2000

IHC 1:50 -
1:200

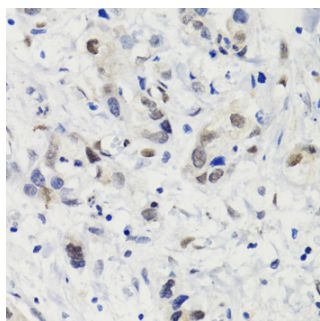
IP 1:50 -
1:100



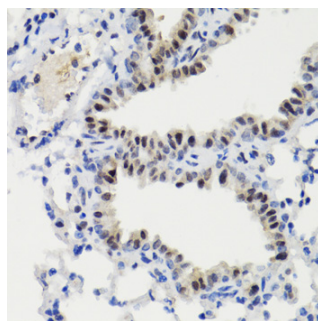
Western blot - Phospho-Stat3-S727 pAb (AP0474)



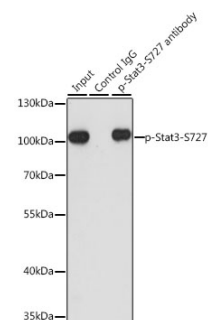
Immunohistochemistry - Phospho-Stat3-S727 pAb (AP0474)



Immunohistochemistry - Phospho-Stat3-S727 pAb (AP0474)



Immunohistochemistry - Phospho-Stat3-S727 pAb (AP0474)



Immunoprecipitation - Phospho-Stat3-S727 pAb (AP0474)