

Product datasheet for **TA319710**

STAT3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Rabbit polyclonal STAT3 antibody was raised against a 19amino acid peptide near the amino terminus of human STAT3.
Formulation:	STAT3 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	STAT3 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	85 kDa
Gene Name:	signal transducer and activator of transcription 3
Database Link:	NP_644805 Entrez Gene 6774 Human P40763



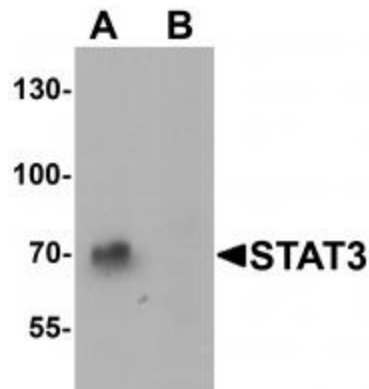
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Background:

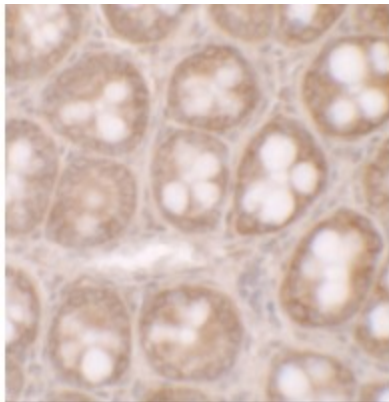
STAT3 Antibody: STATs (signal transducers and activators of transcription) are a family of cytoplasmic latent transcription factors that are activated to regulate gene expression in response to a large number of extracellular signaling polypeptides including cytokines, interferons, and growth factors. After phosphorylation by JAK tyrosine kinases, STATs enter the nucleus to regulate transcription of many different genes. Among the seven STATs (STAT1, STAT2, STAT3, STAT4, STAT5a, STAT5b, and STAT6), STAT1, STAT3, STAT5a, and STAT5b have a wide activation profile. STAT3 signals are pivotal to the proliferation and differentiation of neural stem cells and also participate in neuronal regeneration and cancers of the nervous system.

Synonyms:

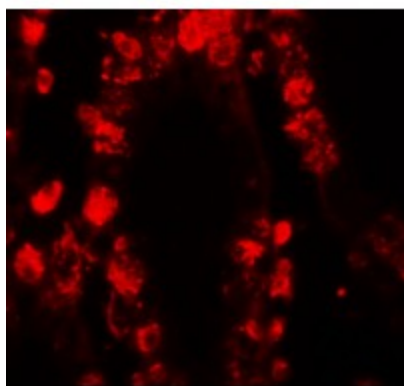
ADMIO; APRF; HIES

Product images:

Western blot analysis of STAT3 in human small intestine tissue lysate with STAT3 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of STAT3 in human small intestine tissue with STAT3 antibody at 5 ug/mL.



Immunofluorescence of STAT3 in human small intestine tissue with STAT3 antibody at 20 µg/mL.