

STAT3 Antibody

Catalog No: #43315

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

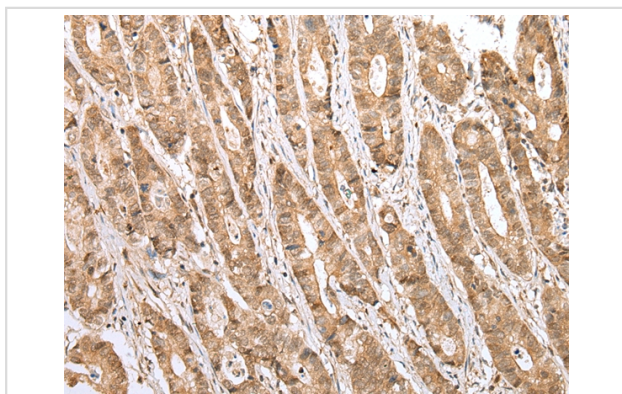
Description

Product Name	STAT3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total STAT3 protein.
Immunogen Type	protein
Immunogen Description	Fusion protein of human STAT3
Target Name	STAT3
Other Names	APRF; HIES; ADMIO
Accession No.	Swiss-Prot#: P40763 Gene ID: 6774
Uniprot	P40763
GeneID	6774;
Concentration	0.6mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

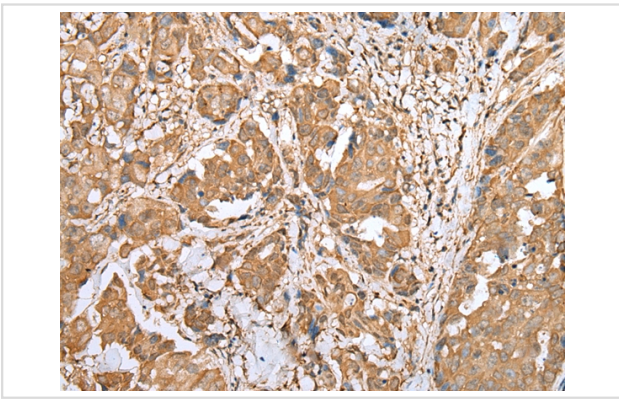
Application Details

Immunohistochemistry: 1:25-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue using #43315 at dilution 1/20.



Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue using #43315 at dilution 1/20.

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. Three alternatively spliced transcript variants encoding distinct isoforms have been described.?

Note: This product is for in vitro research use only