GSK3A Antibody

Catalog No: #36917

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

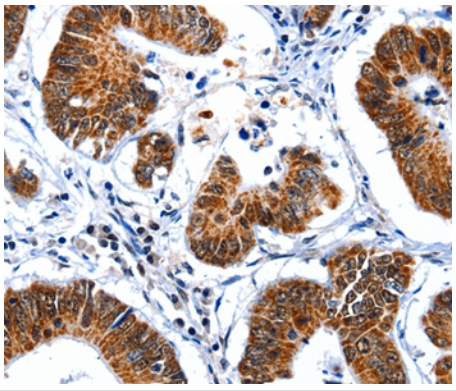
Description

Product Name	GSK3A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total GSK3A protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human glycogen synthase kinase 3 alpha
Target Name	GSK3A
Other Names	DKFZp686D0638;GSK-3 alpha; GSK3A
Accession No.	Swiss-Prot#: P49840NCBI Gene ID: 2931Gene Accssion: NP_063937
Uniprot	P49840
GeneID	2931;
Concentration	2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

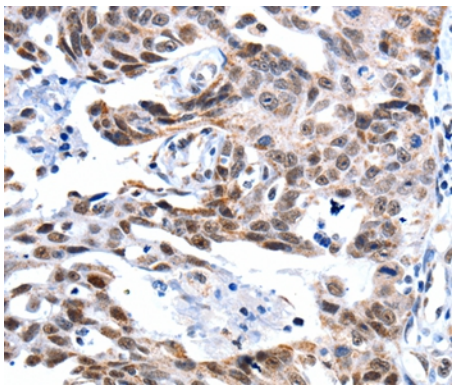
Application Details

Immunohistochemistry: 1:50-1:200

Images



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using #36917 at dilution 1/50.



Immunohistochemical analysis of paraffin-embedded Human ovarian cancer tissue using #36917 at dilution 1/50.

Background

This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production of beta-amyloid peptides associated with Alzheimer's disease. May also mediate the development of insulin resistance by regulating activation of transcription factors. In Wnt signaling, regulates the level and transcriptional activity of nuclear CTNNB1/beta-catenin. Facilitates amyloid precursor protein (APP) processing and the generation of APP-derived amyloid plaques found in Alzheimer disease. May be involved in the regulation of replication in pancreatic beta-cells. Is necessary for the establishment of neuronal polarity and axon outgrowth.

Note: This product is for in vitro research use only