

Product datasheet for **TA322276**

GSK3 alpha (GSK3A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human colon cancer Predicted cell location: Cytoplasm, Nucleus
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 458-467 amino acids of Human glycogen synthase kinase 3 alpha
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	glycogen synthase kinase 3 alpha
Database Link:	NP_063937 Entrez Gene 2931 Human P49840



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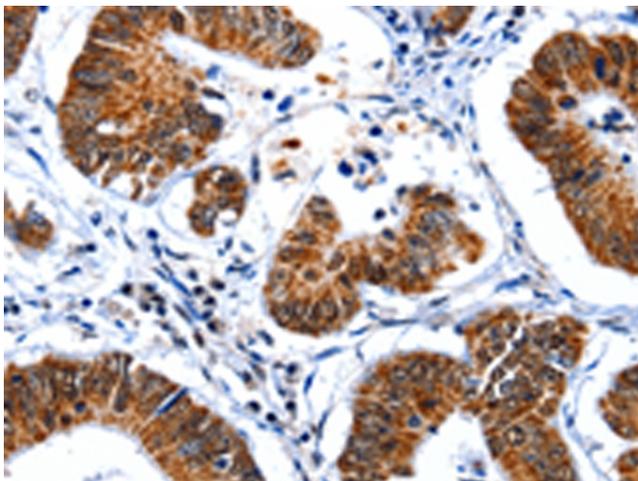
Background: This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase; and transcription factors; such as JUN. It also plays a role in the WNT and PI3K signaling pathways; as well as regulates the production 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.

Synonyms: DKFZp686D0638

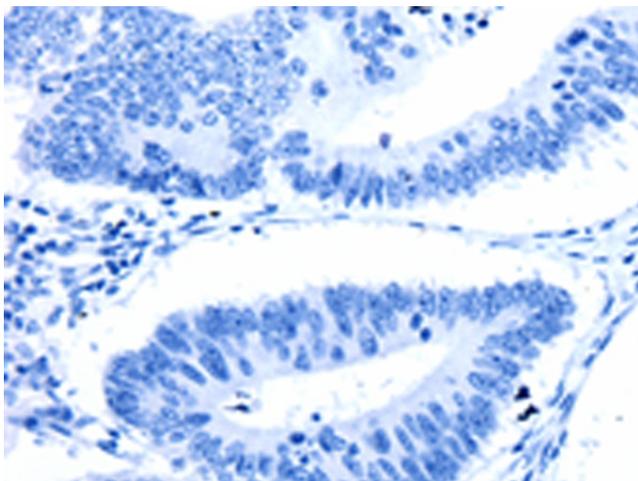
Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Chemokine signaling pathway

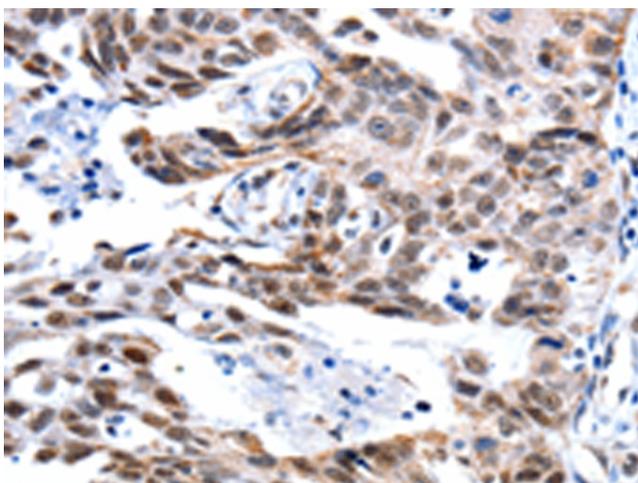
Product images:



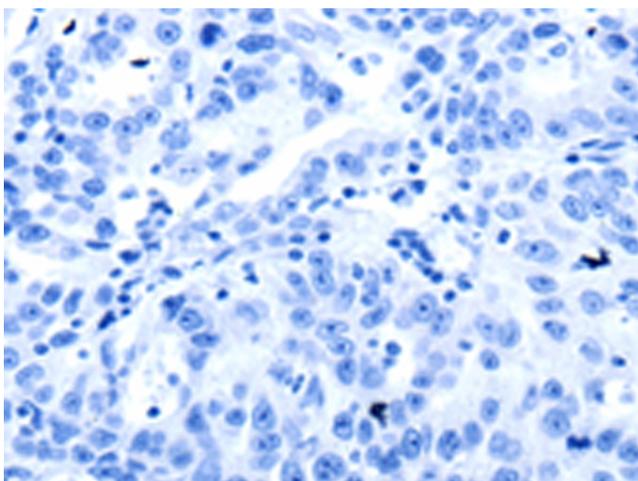
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322276 (GSK3A Antibody) at dilution 1/50 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322276 (GSK3A Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA322276 (GSK3A Antibody) at dilution 1/50 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA322276 (GSK3A Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: $\times 200$)