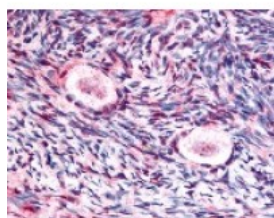




GSK3B (phospho Ser9) Antibody

CATALOG NUMBER: 49-518



Immunohistochemistry staining of GSK3B
in ovary tissue using GSK3B Antibody.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IF, IHC, IP, WB
APPLICATIONS:	GSK3B antibody can be used in ELISA starting at 1:15000 - 1:60000, Western Blot starting at 1:500 - 1:2000, and immunohistochemistry starting at 5 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	pSer9
IMMUNOGEN:	GSK3B antibody was raised against phospho amino acids 4 - 12 of GSK3B (Human).
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Immunoaffinity Chromatography
PHYSICAL STATE:	Liquid
BUFFER:	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
STORAGE CONDITIONS:	Store GSK3B antibody at 4 °C or -20 °C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	GSK3B, GSK-3 beta, GSK3 beta, GSK3beta, GSK3beta isoform, TPKI, GSK 3beta, Tau protein kinase I, ZGSK-3beta
ACCESSION NO.:	P49841
PROTEIN GI NO.:	20455502
OFFICIAL SYMBOL:	GSK3B
GENE ID:	2932

Background

BACKGROUND: Glycogen synthase kinase-3 (GSK 3) is a proline-directed serine-threonine kinase that was initially identified as a

phosphorylating and inactivating glycogen synthase. Two isoforms, alpha (GSK 3A) and beta, show a high degree of amino acid homology. GSK 3B is involved in energy metabolism, neuronal cell development, and body pattern formation. GSK 3B participates in the Wnt signaling pathway and has been implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB and the transcription factor JUN. GSK 3B phosphorylates JUN at sites proximal to its DNA-binding domain, thereby reducing its affinity for DNA.

FOR RESEARCH USE ONLY

December 13, 2016