



Anti-GSK3B (aa 1-100) polyclonal antibody (DPAB-DC1483)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in this gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]
Immunogen	GSK3B (NP_002084, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MSGRPRTTSFAESCKPVQQPSAFGSMKVS RDKD GSKVTTVVATPGQGPDRPQEVSYTDTK VINGSFSGVVYQAKLCDSGELVAIKKVLQDKRFKNRELQI
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GSK3B glycogen synthase kinase 3 beta [Homo sapiens (human)]
Official Symbol	GSK3B
Synonyms	GSK3B; glycogen synthase kinase 3 beta; glycogen synthase kinase-3 beta; GSK-3 beta; GSK3beta isoform; serine/threonine-protein kinase GSK3B;
Entrez Gene ID	2932
Protein Refseq	NP_001139628
UniProt ID	P49841
Chromosome Location	3q13.3
Pathway	AKT phosphorylates targets in the cytosol; Alzheimers disease; Alzheimers Disease; Aurora A signaling
Function	ATP binding; NF-kappaB binding; RNA polymerase II transcription factor binding; beta-catenin binding