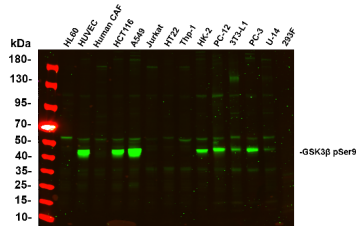


Recombinant Phospho-GSK3 beta (Ser9) Monoclonal Antibody

catalog number: AN300144P

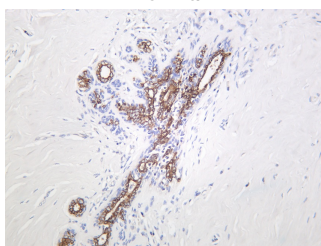
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human;Mouse
Immunogen	A synthetic peptide corresponding to residues around Ser9 of Human Phospho-GSK3 beta
Host	Rabbit
Isotype	IgG
Clone	C210104
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS
Applications	
IHC	1:200-1000
WB	1:1000-5000
IF	1:200-1000
ELISA	1:5000-20000
Data	

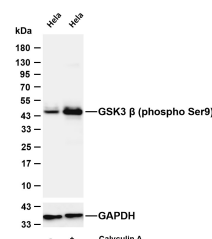


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C overnight with a 1:2500 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody was used to detect the antibody. Lane1: HL60 cell Lane2: HUVEC cell Lane3: Human CAF Lane4: HCT116 Lane5: A549 Lane6: Jurkat Lane7: HT22 Lane8: THP-1 Lane9: HK-2 Lane10: PC-12 Lane11: 3T3-L1 Lane12: PC-3 Lane13: U-14 Lane14: 293F Predicted band size: 46kDa Observed band size:

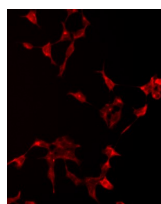
46kDa



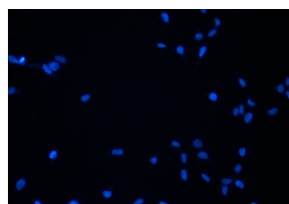
Human breast carcinoma was stained with Anti-GSK3 β (phospho Ser9) rabbit antibody



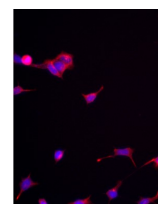
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-GSK3 β (phospho Ser9) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: HeLa starved of serum overnight and then treated with 20% fetal bovine serum and Calyculin A (100 nM) for 15 minutes Predicted band size: 46kDa Observed band size: 46kDa



A



B



C

Immunofluorescence analysis of HEK293. Picture A: GSK3 β (Phospho Ser9) antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

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Rev. V1.7

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

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]

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