

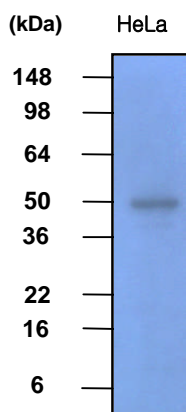
Product: Anti-GSK3beta
Catalog #: 01-2468
Amount: 200 µl

CATEGORY: Mouse monoclonal
CLONE DETERMINATION: 1F7
IMMUNOGLOBULIN CLASS: Mouse IgG₁ heavy chain and kappa light chain
FORM: Purified, in PBS, pH 7.4, containing 0.1% sodium azide
IMMUNOGEN: Recombinant human GSK3β (341-420aa) purified from *E. coli*
PURIFICATION: Protein G affinity chromatography, from ascites
DESCRIPTION/SPECIFICITY: Glycogen synthase kinase 3β (GSK3β) is a serine/threonine kinase involved in insulin, growth factor and Wnt signaling. Glycogen synthase kinase 3β (GSK3β) is a molecular regulator of cell fate in the central nervous system and a target of the phosphatidylinositol 3-kinase (PI3K) pathway. It is an enzyme with a diverse number of actions in intracellular signaling systems, regulating neuronal plasticity, gene expression and cell survival.

ANTIGEN RECOGNIZED IN SPECIES (tested so far): Human
APPLICATION (tested so far): ELISA, Immunoblotting (western, ECL)
WORKING DILUTION: Western blotting 1:200-1:500
Optimal dilution should be performed by serial dilution
STORAGE: 2-8°C for immediate use; or at -20°C (aliquot)

REFERENCES:
Piyajit W *et al.*, (2002) *Proc Natl Acad Sci* 99(12):7951-7955
Rana D *et al.*, (2003) *EMBO J* 22(3): 494-501
Patrizia D S *et al.*, (2006) *Neurobiol Aging* 27(3): 413-422

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.



Western blot analysis

Cell lysates of HeLa (each 30ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GSK3 β (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.