

RABBIT ANTI-14-3-3 sigma POLYCLONAL ANTIBODY

CATALOG NUMBER:	AB9742
LOT NUMBER:	
QUANTITY:	100 µL
SPECIFICITY:	14-3-3 sigma [14-3-3 σ]. By Western blot the antibody recognizes the ~30 kDa protein. This isotype is confined mainly to epithelial cells.
BACKGROUND:	Mammals express seven distinct 14-3-3 isoforms (gamma, epsilon, beta, zeta, sigma, eta, tau) that form multiple homo- and hetero- dimers, thus rendering 14-3-3 as a key multifunctional regulatory molecule. 14-3-3 isomers have been implicated in several neurological disorders: for example isoforms gamma, epsilon and beta are expressed in the cerebrospinal fluid of Creutzfeldt-Jakob patients, but not patients suffering from other neurological conditions such as Alzheimer's. The 14-3-3 sigma antibody is one of a panel of antibodies that were generated against 14-3-3 isoforms and have demonstrated their potential for use as an ELISA-based diagnostic tool. These antibodies will allow the research to investigate the role of this protein in key cellular processes and neurological disorders such as Creutzfeldt-Jakob, Alzheimer's and Parkinson's Disease.
IMMUNOGEN:	Synthetic peptide from the N-terminal area of sheep 14-3-3 sigma.
APPLICATIONS:	Western blot: 1:3,000 using ECL. Optimal working dilutions must be determined by end user.
SPECIES REACTIVITIES:	Human, rat, mouse, bovine, chicken and sheep. Other species have not yet been tested.
FORMAT:	Rabbit serum.
PRESENTATION:	Liquid.
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.
REFERENCES:	Wheeler-Jones, C., et al., <i>Biochem J</i> (1996) 315 :41-47. Wiltfang, J., et al., <i>Journal of Neurochemistry</i> (1999) 73 :2485-2490.
IMPORTANT NOTE:	During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

For research use only; not for use as a diagnostic.

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.