

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GSK-3β when phosphorylated at S9 in Western blots.
Source	Monoclonal Rabbit IgG Clone # 1253C
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Phosphopeptide containing the human GSK-3β S9 site
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Glycogen Synthase Kinase-3 (GSK-3) is a serine/threonine kinase initially identified as an inhibitor of glycogen synthase. Two isoforms (GSK-3α and GSK-3β) share 85% amino acid identity. GSK-3β, inhibited by phosphorylation at S9 by Akt, is involved in energy metabolism, body pattern formation, and neuronal cell development.

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