

Human/Mouse/Rat 14-3-3β Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4724

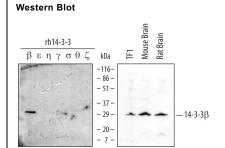
DESCRIPTION			
Species Reactivity	Human/Mouse/Rat		
Specificity	Detects human, mouse, and rat 14-3-3 β in Western blots. Does not cross-react with other recombinant human 14-3-3 isoforms.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	<i>E. coli</i> -derived recombinant human 14-3-3β Met1-Asn246 Accession # P31946		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

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.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



Rat 14-3-3ß by Western Blot. Western blot shows lysates of TF-1 human erythroleukemic cell line cells, mouse brain tissue, and rat brain tissue. PVDF membrane was probed with 1 μg/mL Goat Anti-Human/Mouse/Rat 14-3-3ß Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4724) followed by HRPconjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). For additional reference, recombinant human 14-3-3 beta, epsilon, eta, gamma, sigma, theta, and zeta (20 ng/lane) were included. A specific band for 14-3-3 beta was detected at approximately 30 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot

Detection of Human/Mouse/

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

 * Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 $^\circ$ C

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.

Buffer Group 1.

• 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

14-3-3 proteins are a highly conserved family of homo- and heterodimeric phosphoserine/threonine-binding proteins present in all eukaryotic cells. 14-3-3 proteins act as key regulators of intracellular signal transduction through their ability to bind specific motifs phosphorylated on serine or threonine. There are at least 7 distinct mammalian 14-3-3 genes - α/β , ϵ , η , γ , τ/θ , σ , and ζ/δ .

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