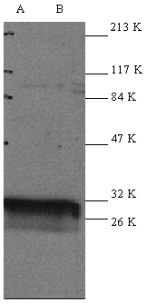
Product Data Sheet
14-3-3 Protein

Product name:	14-3-3 Protein
Cat number:	AB-10248
Conjugate:	Unconjugated
Size:	200 ug
Clone:	POLY
Concentration:	200 µg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Synthetic peptide mapping to the amino terminal domain of human 14-3-3.
Reactivity:	Ms, Rt, Hu
Applications:	WB, IP, IHC(P) WB: 1:400
Molecular Weight:	30 kDa
Purification:	Aff. Pur.
Form:	Liquid
Buffer:	200 µg/ml of rabbit polyclonal IgG in 1 ml PBS containing 0.1 % sodium azide and 0.2% gelatin.
Storage:	Store at 4°C for short term. For long term storage, please leave frozen at -20°C and avoid freeze/thaw cycles.
Background:	14-3-3 family of proteins is composed of seven isotypes, beta, gamma, zeta, epsilon, tau, eta, and sigma, that play critical roles in cell signaling events that control cell cycle progression, transcriptional alterations, and apoptosis (1-4). 14-3-3 proteins were the first signaling molecules to be identified as specific phosphoserine/threonine binding proteins (1). 14-3-3 can serve as a direct regulator of its target by altering the function of the protein (3). 14-3-3 protein targets include the signalling intermediates Raf, MEKK, PI-3 kinase and IRS-1, cell cycle proteins CDK2, Wee1, and Cdc25, and apoptosis proteins BAD and ASK-1 (3,4).



Western Blot analysis of 14-3-3 expression in HeL a (A) and Jurkat (B) whole cell lysates