

## Sheep Polyclonal anti-14-3-3

<b>Catalog Number:</b>	NB100-62100
<b>Background:</b>	Members of the 14-3-3 family of proteins are highly conserved proteins, localized in neurons, and are axonally transported to the nerve terminals. They are also present, at lower levels, in various other eukaryotic tissues. 14-3-3 proteins appear to play important roles in a variety of signal transduction pathways, including those involved in cell cycle regulation and cell survival. Because 14-3-3 proteins bind to specific phosphoserine-containing sequences they are likely to have an important role in signaling pathways mediated by serine/threonine protein kinases. Evidence indicates 14-3-3 is required for Raf 1 kinase activity and phosphorylation among many other functions.
<b>Alternate Names:</b>	anti-14-3-3 protein beta/alpha antibody, anti-KCIP 1 antibody, anti-Protein 1054 antibody, anti-Protein kinase C inhibitor protein 1 antibody
<b>Host:</b>	Sheep
<b>Immunogen:</b>	Native, purified from pathogen-free normal human brain.
<b>Isotype:</b>	IgG
<b>Specificity:</b>	NB100-62100 recognises the lower molecular weight subunit (26 kD) of protein 14-3-3.  The 14-3-3 family consists of 30kD proteins that are involved in multiple cellular processes including protein kinase signalling pathways, regulation of cell cycle progression, transcription and intracellular trafficking. Protein interactions with 14-3-3 show distinct preferences for its different isoforms and are regulated by phosphorylation of both 14-3-3 and the bound protein.
<b>Localization:</b>	Cytoplasmic
<b>Species Reactivity:</b>	Human. Not yet tested in other species.
<b>Uses:</b>	This antibody is useful for Western Blot * Other applications have not been tested.
<b>Dilutions:</b>	Suggested working dilutions * Western Blot 1:10 - 1:50 * Investigator should determine optimal working dilutions.
<b>Packaging:</b>	1 ml protein G purified Sheep antisera.
<b>Concentration:</b>	2.5 mg/ml
<b>Buffer:</b>	Phosphate buffered saline, pH 7.2
<b>Preservative:</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Storage:</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Limitations:</b>	This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 6 months from date of receipt.
<b>Gene Id:</b>	10971



**Novus Biologicals, Inc**  
PO Box 802  
Littleton, CO 80160  
Phone: 1-888-506-6887  
Fax: 303-730-1966  
Email: [novus@novusbio.com](mailto:novus@novusbio.com)  
Go to: [www.NovusBio.com](http://www.NovusBio.com)

**Gene System:** YWHAQ