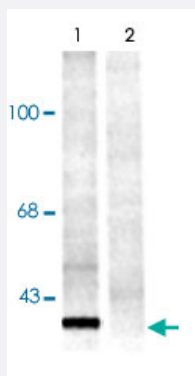


14-3-3 (phospho S58) polyclonal antibody

Catalog # PAB9657

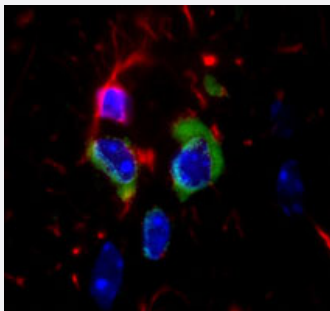
Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot of rat brainstem lysate showing specific immuno-labeling of the ~29k 14-3-3 protein phosphorylated at Ser58 (Control, lane 1). The immunolabeling is blocked by the phosphopeptide used as the antigen (Phos-pep, lane 2) but not by the corresponding dephosphopeptide (not shown).



Immunofluorescence

Immunostaining of mouse hippocampal cryosections with 14-3-3 (phospho S58) polyclonal antibody (Cat # PAB9657) (green). GFAP positive astrocytes (red) and DAPI labeled nuclei (blue). Photo courtesy of Robert Wine.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of 14-3-3 protein.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S58 of rat 14-3-3 protein.
Host	Rabbit
Theoretical MW (kDa)	29
Reactivity	Bovine, Chicken, Clawed frog, Dog, Human, Mouse, Primates, Rat, Sheep, Zebra fish
Form	Liquid

Purification	Affinity purification
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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- Immunofluorescence

Immunostaining of mouse hippocampal cryosections with 14-3-3 (phospho S58) polyclonal antibody (Cat # PAB9657) (green). GFAP positive astrocytes (red) and DAPI labeled nuclei (blue). Photo courtesy of Robert Wine.

Publication Reference

- [14-3-3 proteins: a number of functions for a numbered protein.](#)

Bridges D, Moorhead GB.

Science's STKE : Signal Transduction Knowledge Environment 2005 Aug; 2005(296):re10.

Application: WB, Human, Human mammalian cells

- [14-3-3 protein C-terminal stretch occupies ligand binding groove and is displaced by phosphopeptide binding.](#)

Silhan J, Obsilova V, Vecer J, Herman P, Sulc M, Teisinger J, Obsil T.

The Journal of Biological Chemistry 2004 Nov; 279(47):49113.

- [Unlocking the code of 14-3-3.](#)

Dougherty MK, Morrison DK.

Journal of Cell Science 2004 Apr; 117(Pt 10):1875.