

## Phospho-Pin1 (Ser16) Ab

Cat.#: AF3430 Concn.: 1mg/ml Mol.Wt.: 18kDa Size: 100ul,200ul Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500

Reactivity: Human, Mouse, Rat, Monkey

Purification: The Ab is from purified rabbit serum by affinity purification

via sequential chromatography on phospho- and non-

phospho-peptide affinity columns.

Specificity: Phospho-Pin1 (Ser16) Ab detects endogenous levels of Pin1

only when phosphorylated at Serine 16.

Immunogen: A synthesized peptide derived from human Pin1 around the

phosphorylation site of Serine 16.

Uniprot: Q13526

Description: Pin1 is a member of the parvulin family of peptidyl-prolyl

isomerases (PPlase), has been implicated in the G2-M transition of the cell cycle. Has two distinct functional domains: an N-terminal WW domain and a C-terminal PPlase

domain.

Subcellular Location: Nucleus.

Tissue Specificity: The phosphorylated form at Ser-71 is expressed in normal

breast tissue cells but not in breast cancer cells.

Similarity: The WW domain is required for the interaction with STIL and

KIF20B.

Storage Condition and

Buffer:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20

°C.Stable for 12 months from date of receipt.



Western blot analysis of Phospho-Pin1 (Ser16) Ab expression in Insulin treated COS7 cells lysates. The lane on the right is treated with the antigen-specific peptide.



## Affinity Biosciences website:www.affbiotech.com order:order@affbiotech.com



Western blot analysis of Pin1 phosphorylation expression in Insulin treated COS7 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



AF3430 at 1/200 staining human lymph node tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat antirabbit Ab was used as the secondary.



AF3430 staining COS7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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